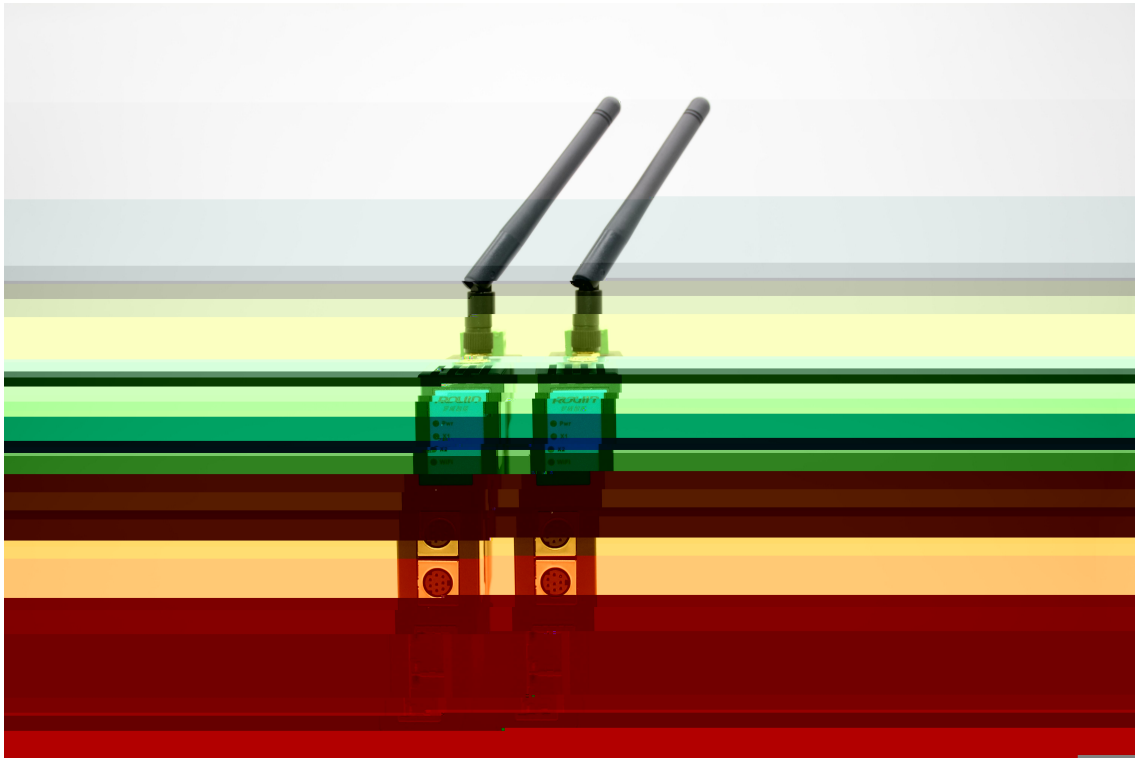
# RVNet-FX-S

FX PLC

V1.0



# 1.RVNet-FX-S

## 1.1

RVNet-FX-S FX1S/1N/2N/3S/3G/3GA/3GC/3U/3UC AX
PLC WiFi AP
STA AP+STA WiFi WiFi PLC

RVNet-FX-S PLC
PLC X2 PLC RVNet-FX-S
SCADA MC ModbusTCP

## 1.2

1 35mm

12

### 1.2.1

FX PLC

PLC

PLC MCGS RVNet-FX-S

### 1.2.2

1 2 3 4

5 6 RVNet-FX-S

### 1.2.3 Internet

Internet

RVNet-FX-S PLC

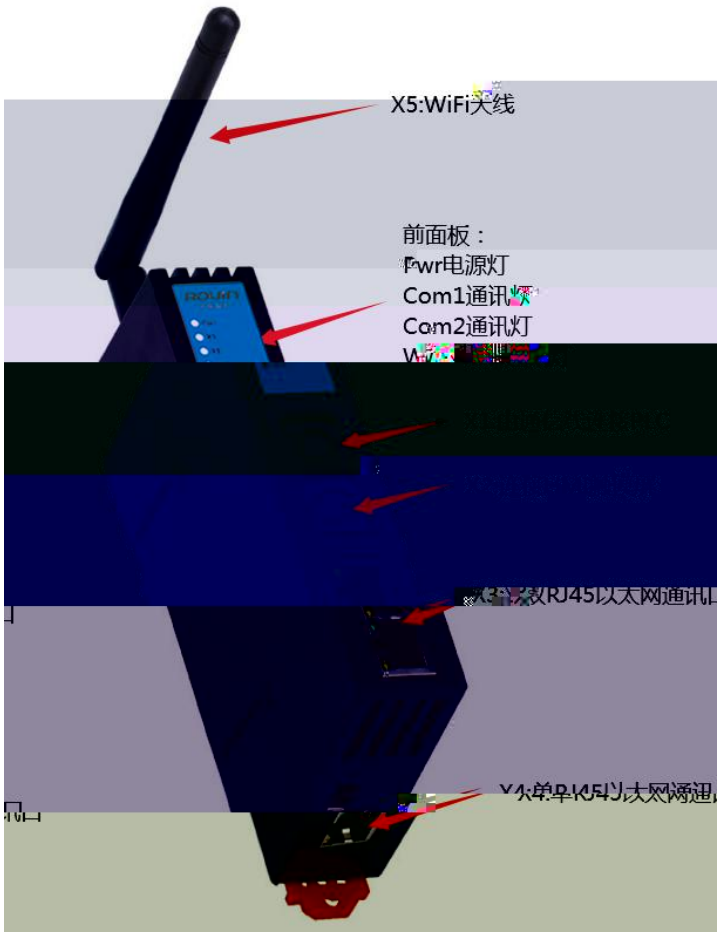
## 1.3

MCGS KepWare OPC

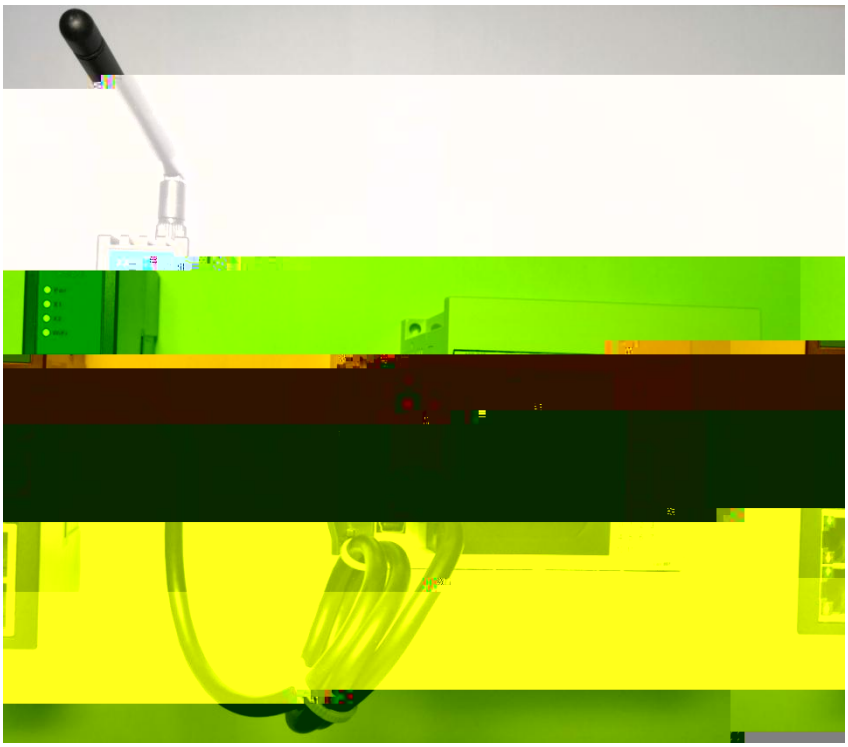

三菱FX2N/FX3U
编程软件、组态软件
WIFI

# 2.

## 2.1



## 2.2



## 2.3

RVNet-FX-S MD8 X1 MD8 X2 RJ45
X3 RJ45 X4 WiFi X5 24VDC X6

### 2.3.1 X1

X1 MD8 PLC
1 ——————— TXD-
2 ——————— TXD+
3 ——————— GND
4 ——————— RXD-
5 ——————— 5V
7 ——————— RXD+
X1 9.6k 19.2k 38.4K 115.2k

### 2.3.2 X2

X2 MD8

| | |
|---|---|
| 1 | RXD- |
| 2 | RXD+ |
| 3 | GND |
| 4 | TXD- |
| 7 | TXD+ |

X2 9.6k

### 2.3.6 24VDC X6

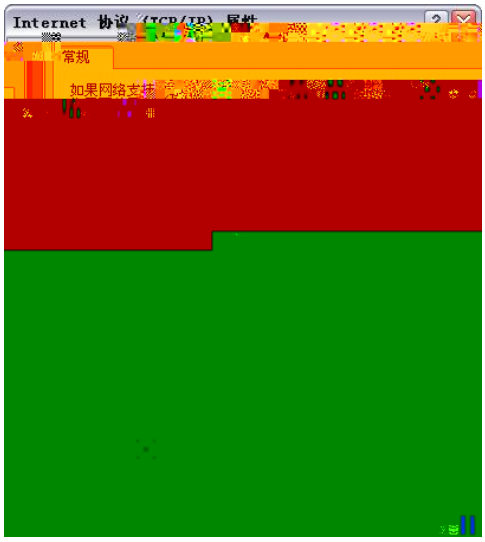
X4 RVNet-FX-S 24VDC 24VDC±20%/100mA

24VDC

## 2.4

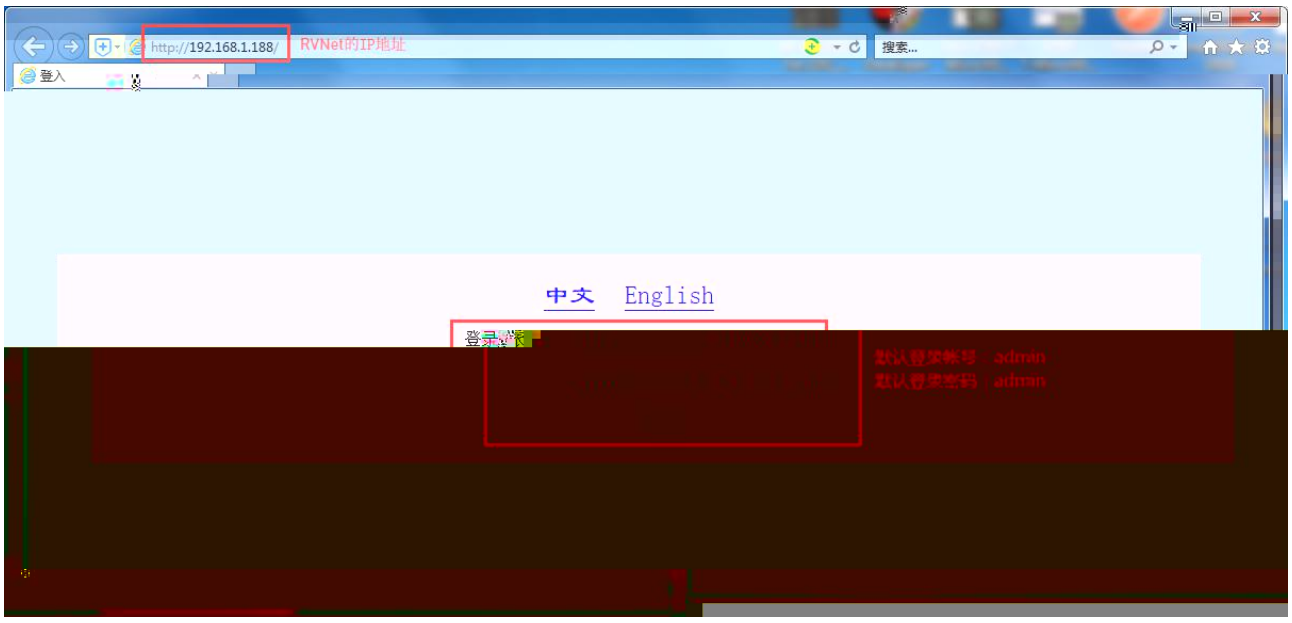
RVNet-FX-S LED Pwr COM1

IP 192.168.1.100

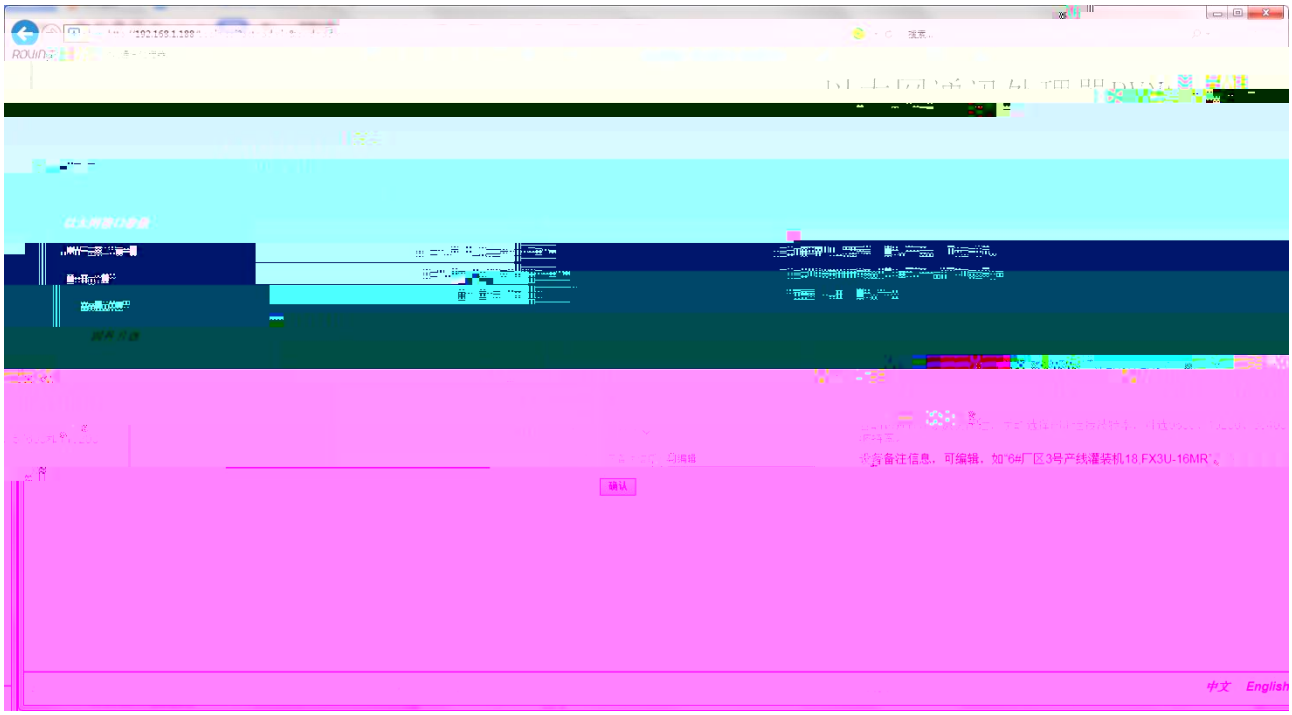



Internet Explorer 192.168.1.188 RVNet-FX-S

IP RVNet-FX-S Web



## 3.2.1



PLC “ ” “ ” “PLC ”

PLC

HMI “ ” “ ” “HMI ”

HMI

RVNet-FX-S 3

PLC PLC FX1S FX1N/FX2N FX3U/FX3G/FX3S

“ PLC ” “ ”

PLC PLC PLC

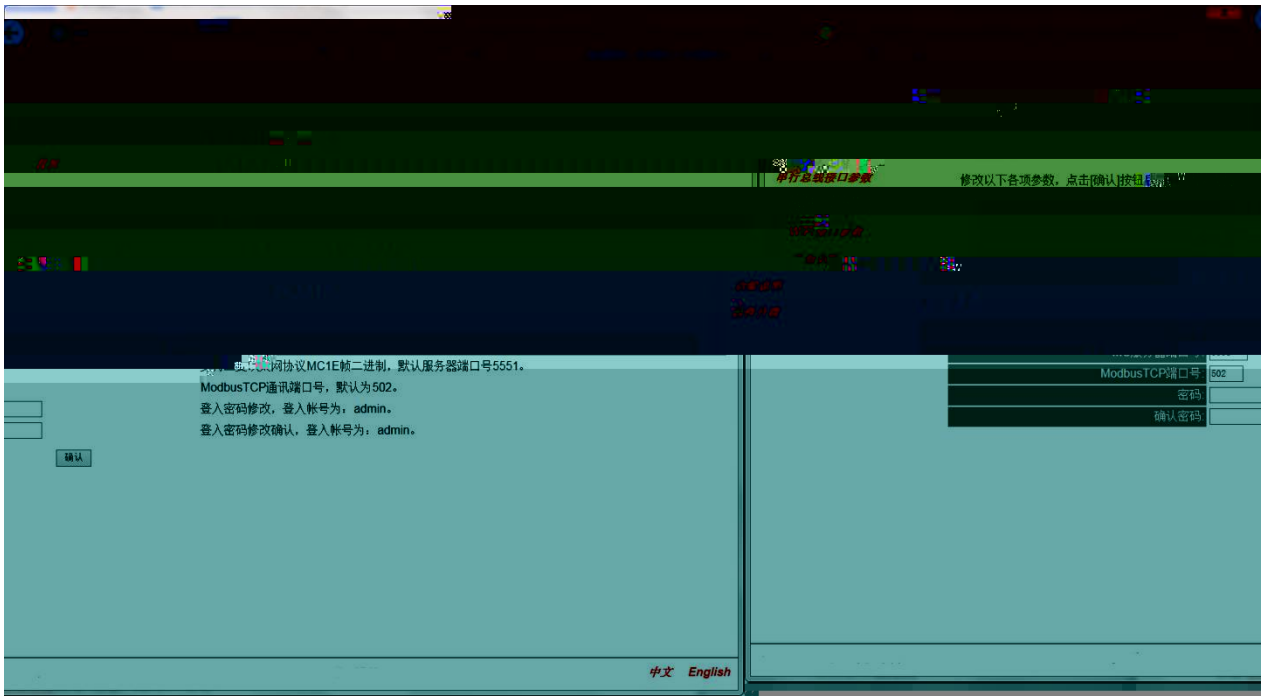
PLC PLC 9600 19200 38400

57600 115200bps

HMI HMI HMI 9600 19200

38400 57600 115200bps

## 3.2.2




RVNet-FX-S IP

MC 5551 MCTCP GX Work2 GX Developer

ModbusTCP 502 ModbusTCP

[ ] RVNet-FX-S

IP

A WEP A WPA2

AP IP AP IP 192.168.3.1

AP 255.255.255.0

AP AP IP

[ ] RVNet-FX-S

IP

### 3.2.4


P3/C——>

**TCP/IP**

TCP/IP—>

TCP TCP

**WiFi**

AP —> AP

AP

Station —> AP

AP

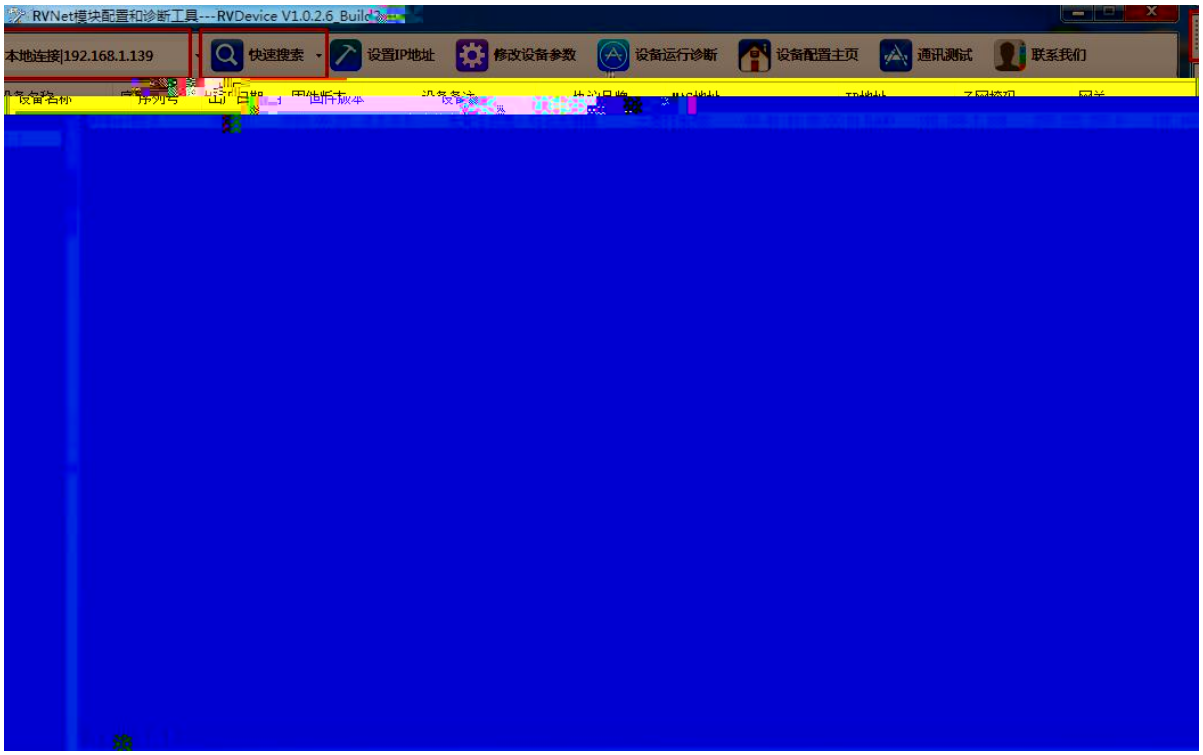
RVNet-FX-S

RVNet-FX-S

## 3.3 NetDevice

### 3.3.1

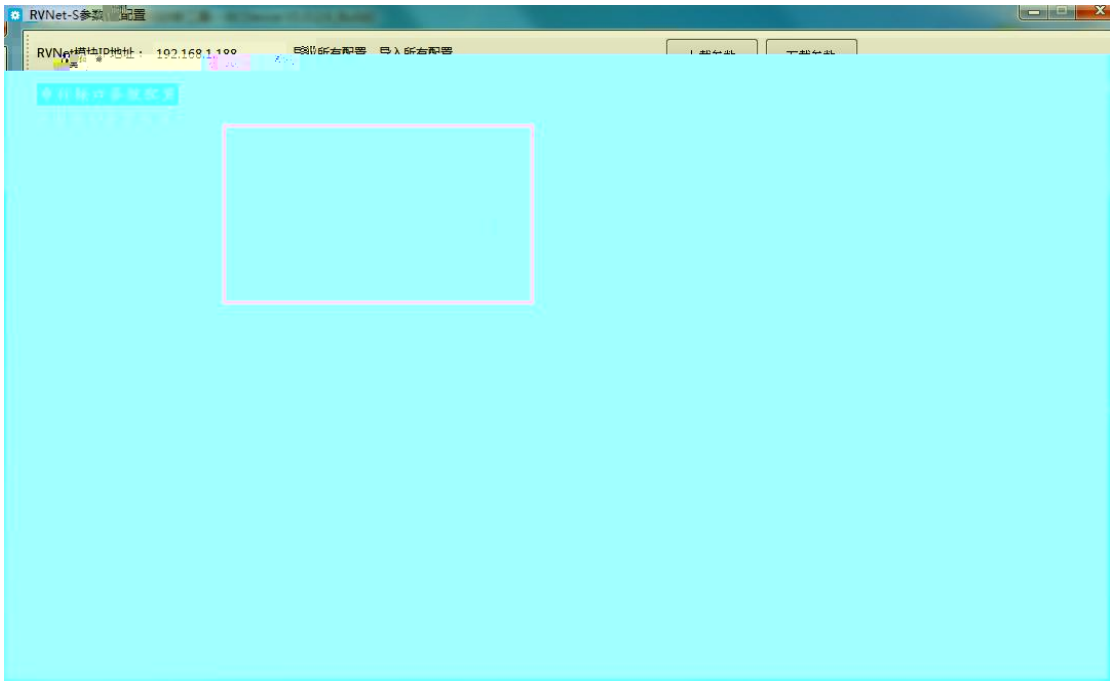
NetDevice




1. RVNet-FX-S

2. RVNet-FX-S

IP

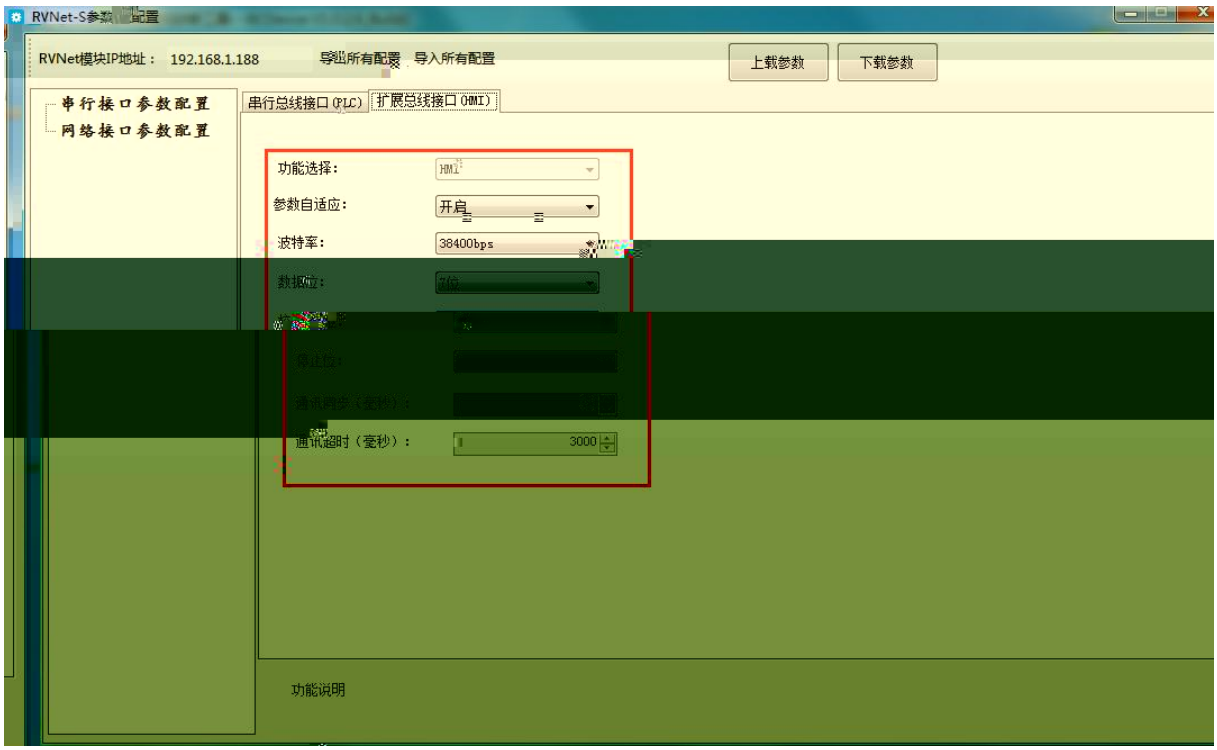



PLC RVNet PLC

PLC PLC PLC

FX1S HnU /HMI PLC FX1S

9600




HMI

HMI HMI

HMI 9600 19200 38400 57600 115200bps

2. WiFi

Web

A)


IP IP 192.168.1.188

255.255.255.0

192.168.1.1

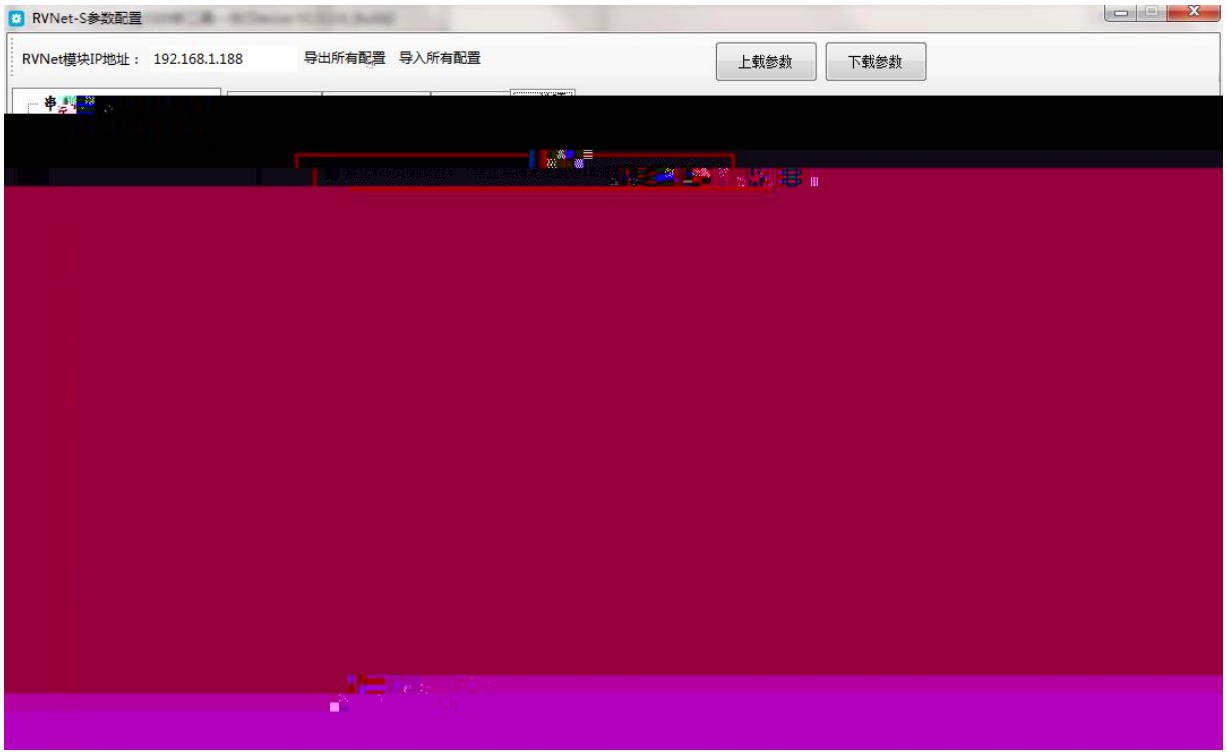
B)


MC MCTCP MC1E

5551

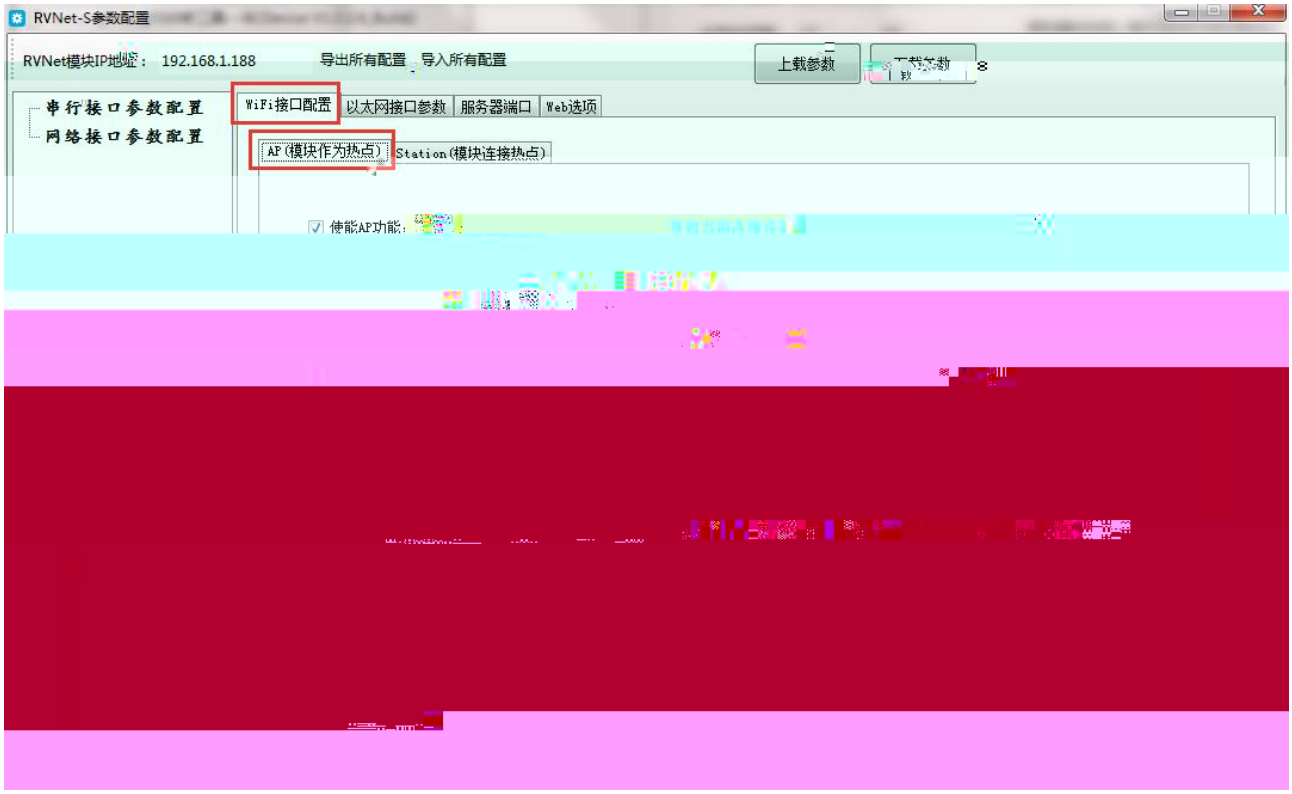
ModbusTCP ModbusTCP 502

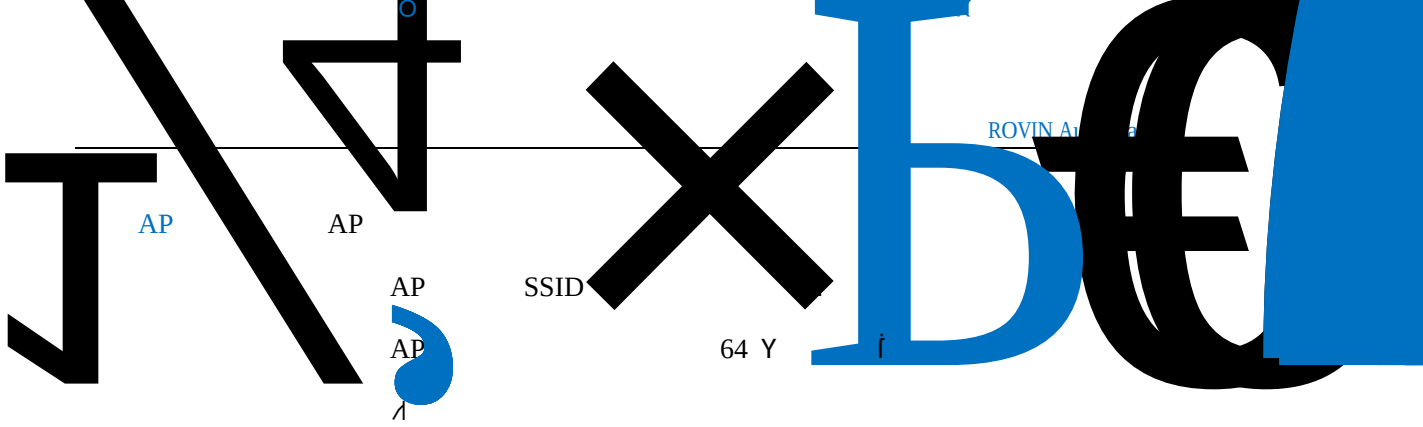
C) Web




Web IE

D) WiFi >> AP

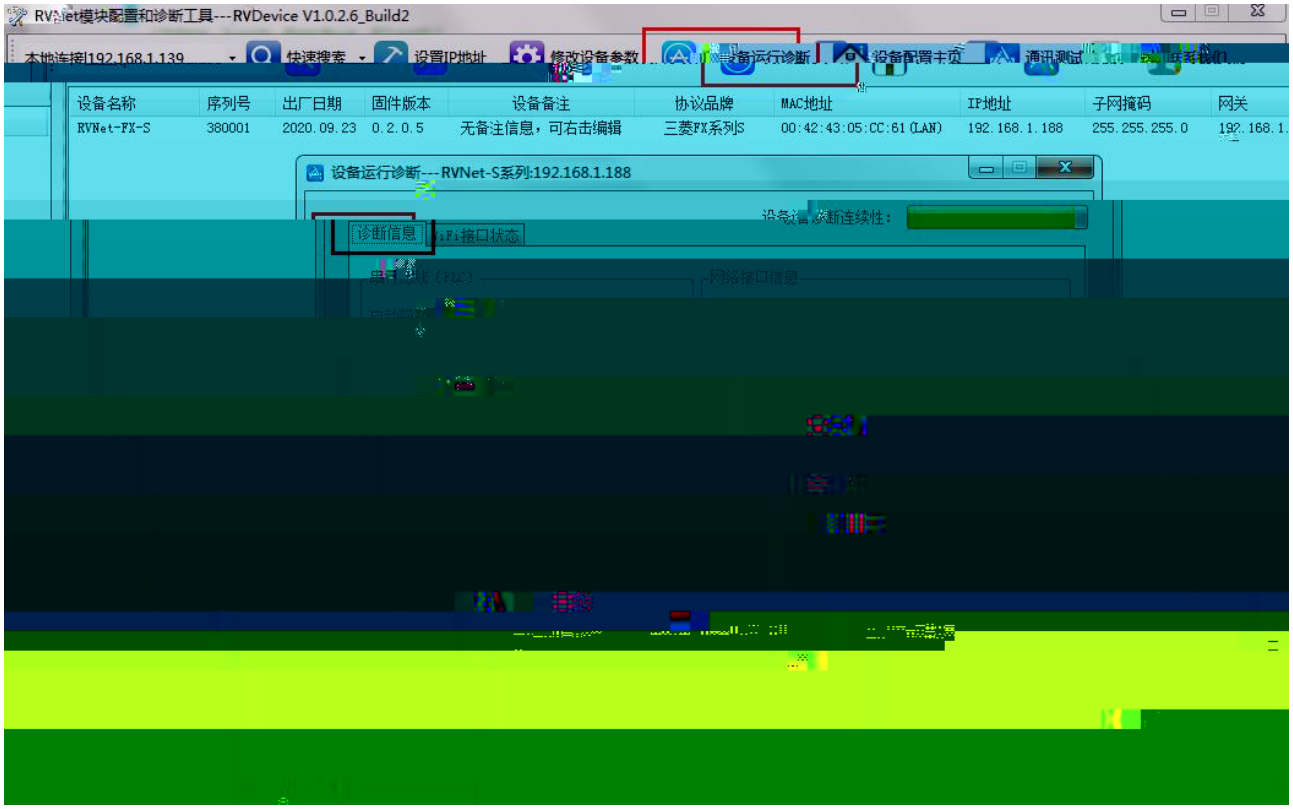



AP
AP
AP
SSID
AP
64 Y

## 3.3.4

1. WiFi

A




(PLC) (HMI)

(PLC) PLC

(HMI) HMI

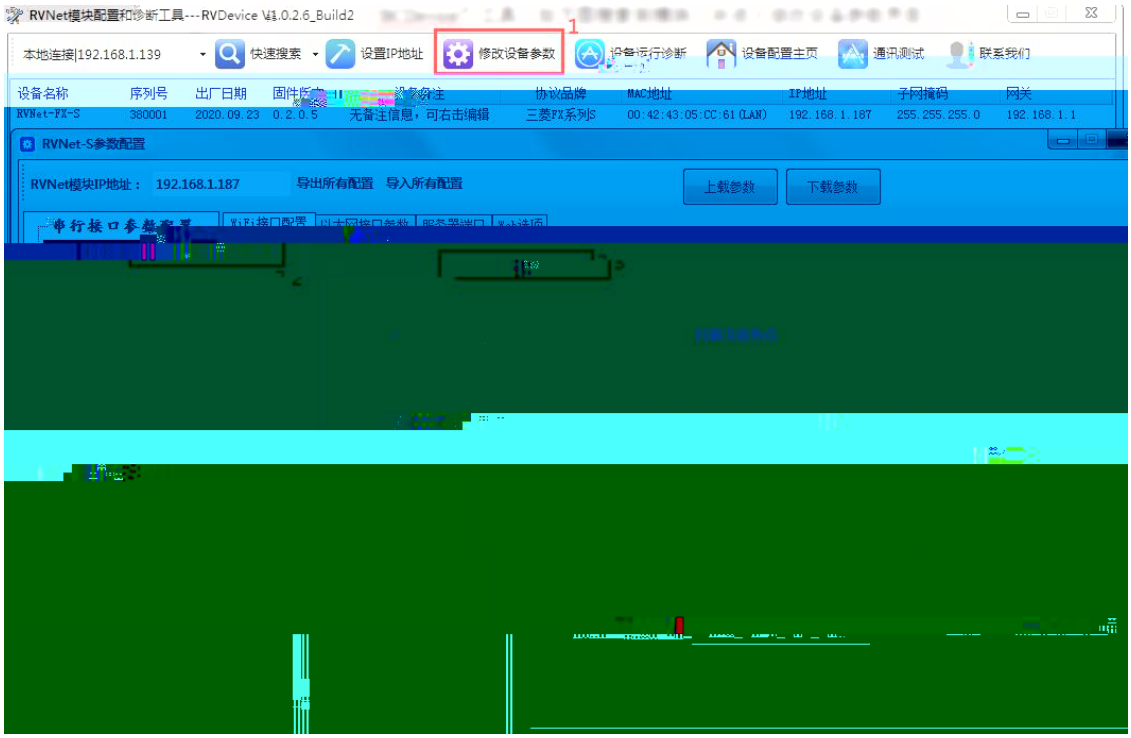
TCP

B WiFi

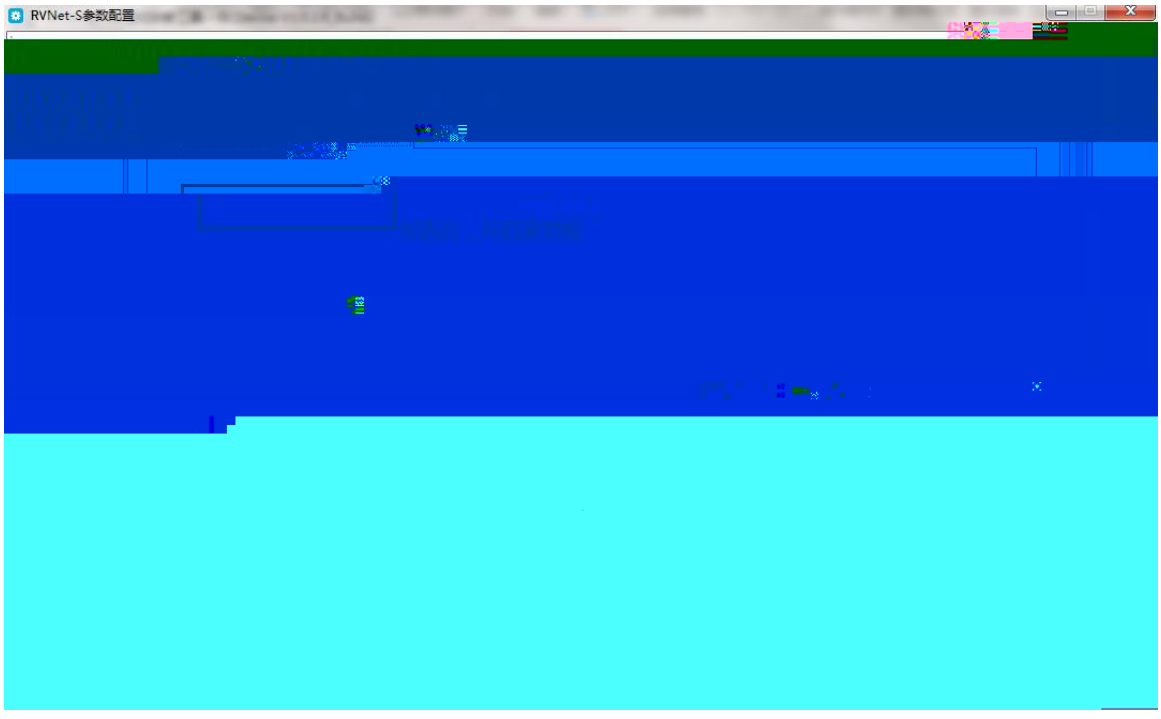

WiFi AP( ) Station( )

AP( ) AP

Station( )

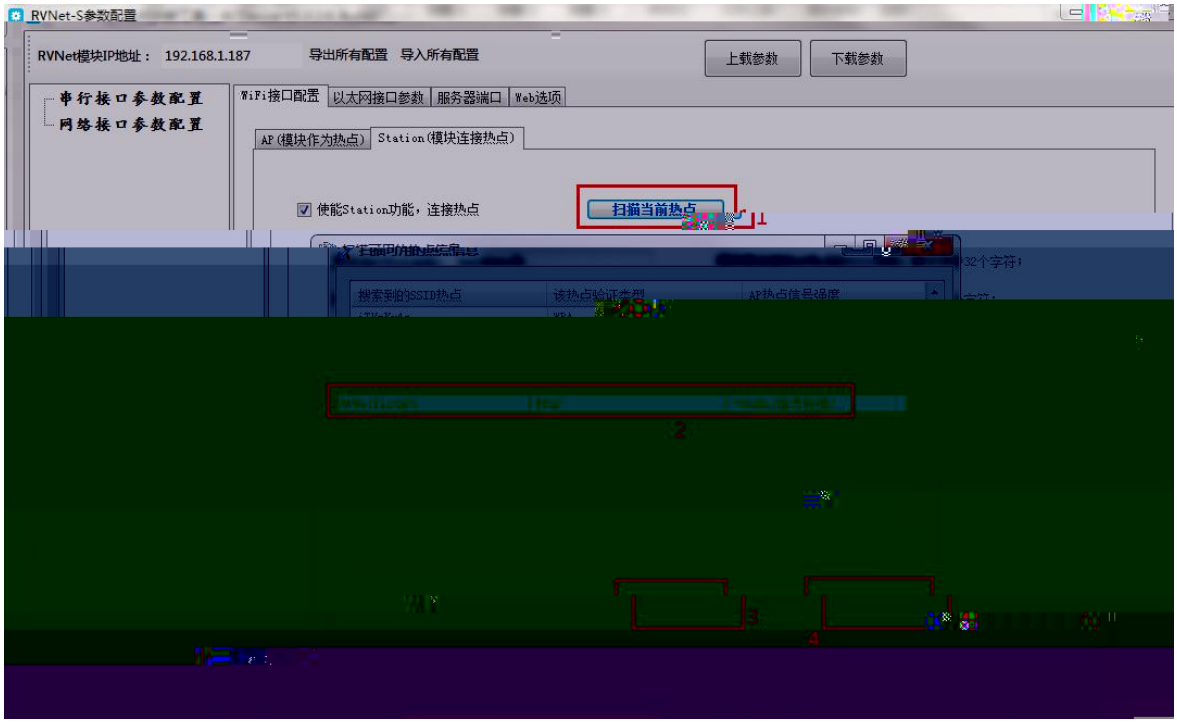



2. “Station( )” “ AP ”




3. “ ” “

”



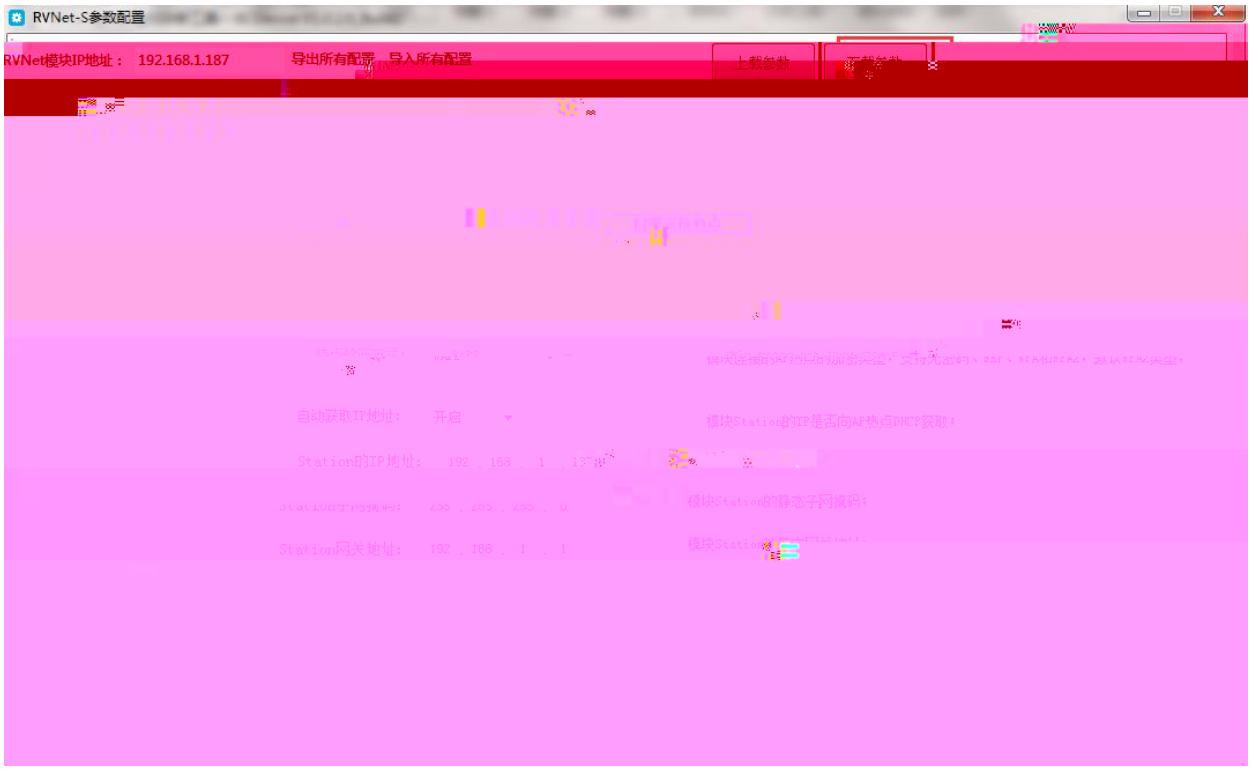

4. “ ” “ ” “

” Station IP “

IP ” Station DHCP IP “ IP ”

IP

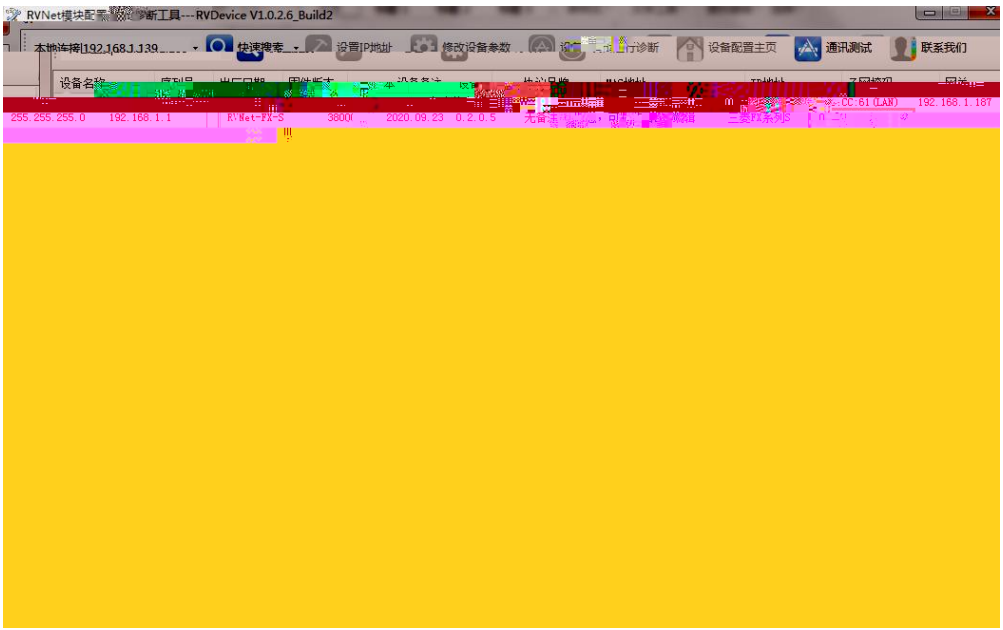

5. “ ”




### 4.1.2 Station

1. AP AP

NetDevice




(LAN) (WiFi) (WiFi)

Station AP IP IP

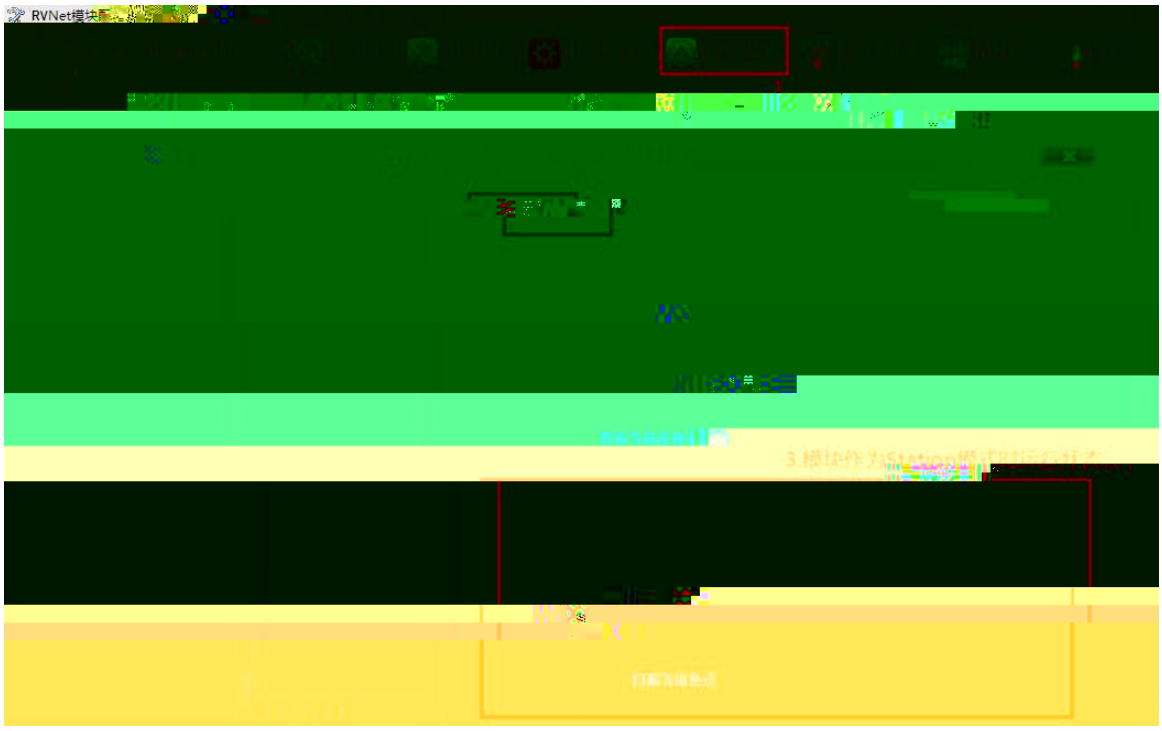
PLC

2. Station

A) NetDevice

IP 192.168.1.135 Station IP

B) NetDevice



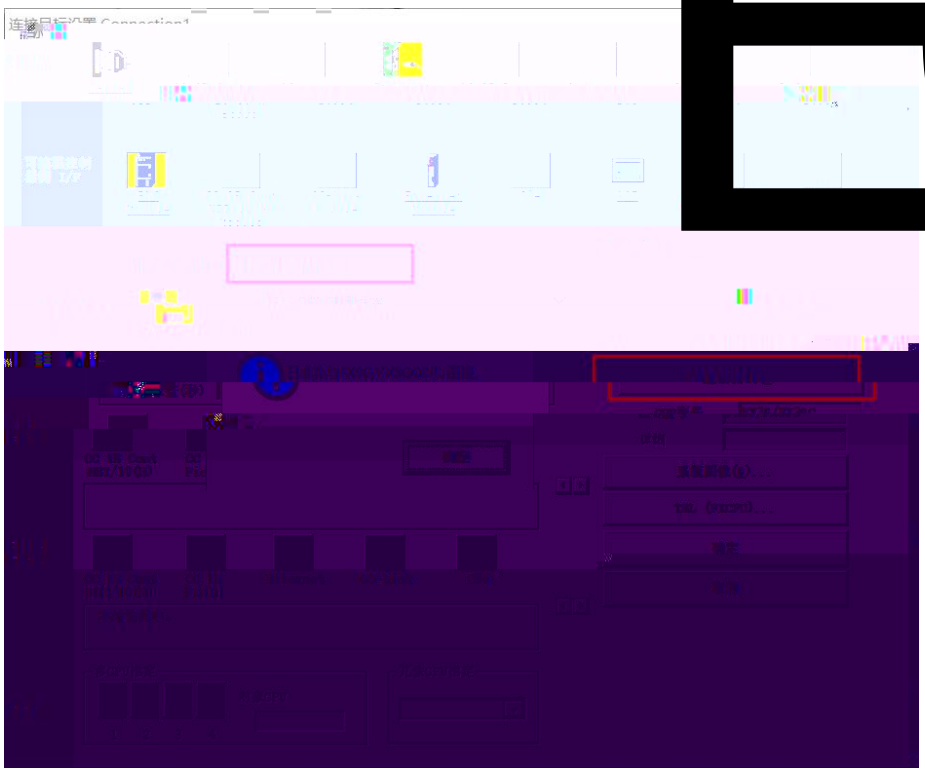
NetDevice “ ”

“WiFi ”>>“Station( )” Station “

” “-4dBm( )” IP

“192.168.1.135”

C) PLC



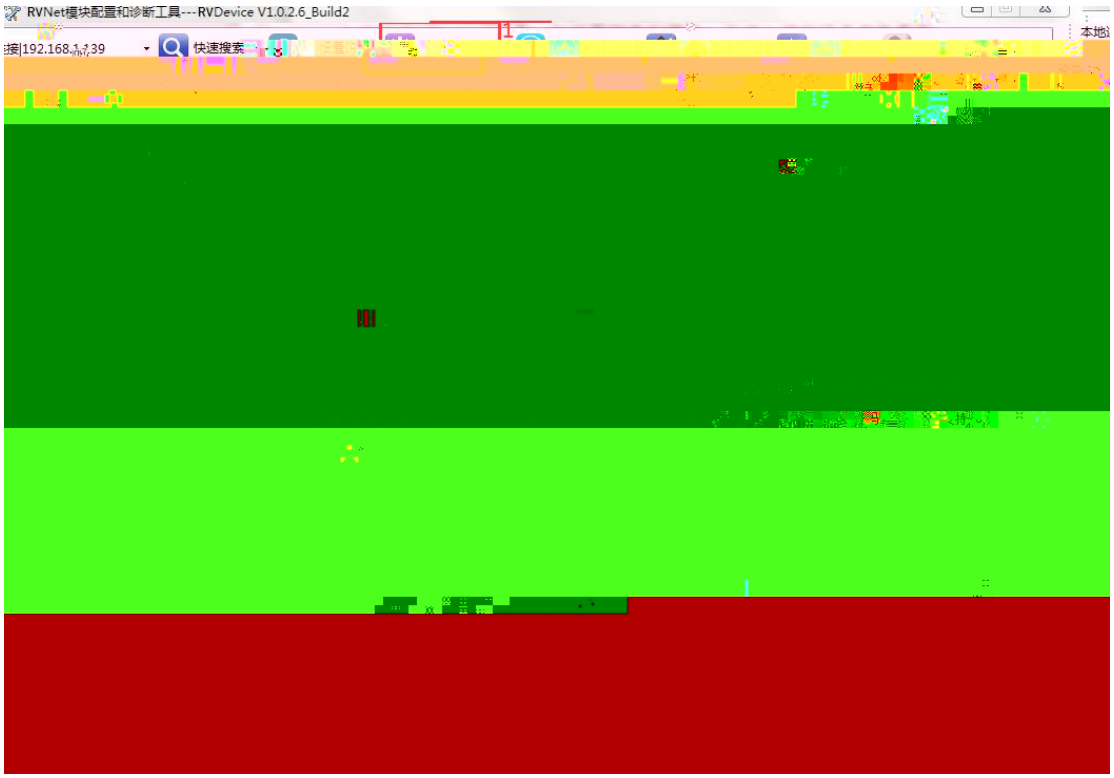
GX Work2 “EthernetBoard”>>“PLC Module” Station IP

“192.168.1.135” “ ” “ FX3G/FX3GCCPU ”

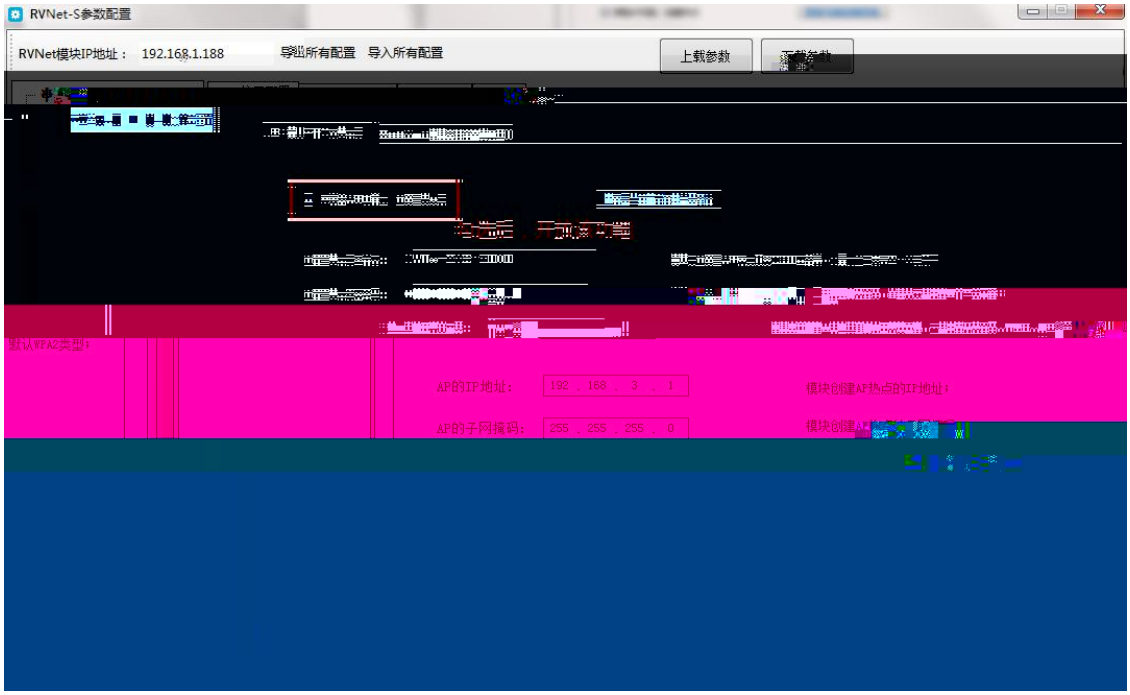
D)

“5.SCADA ” IP

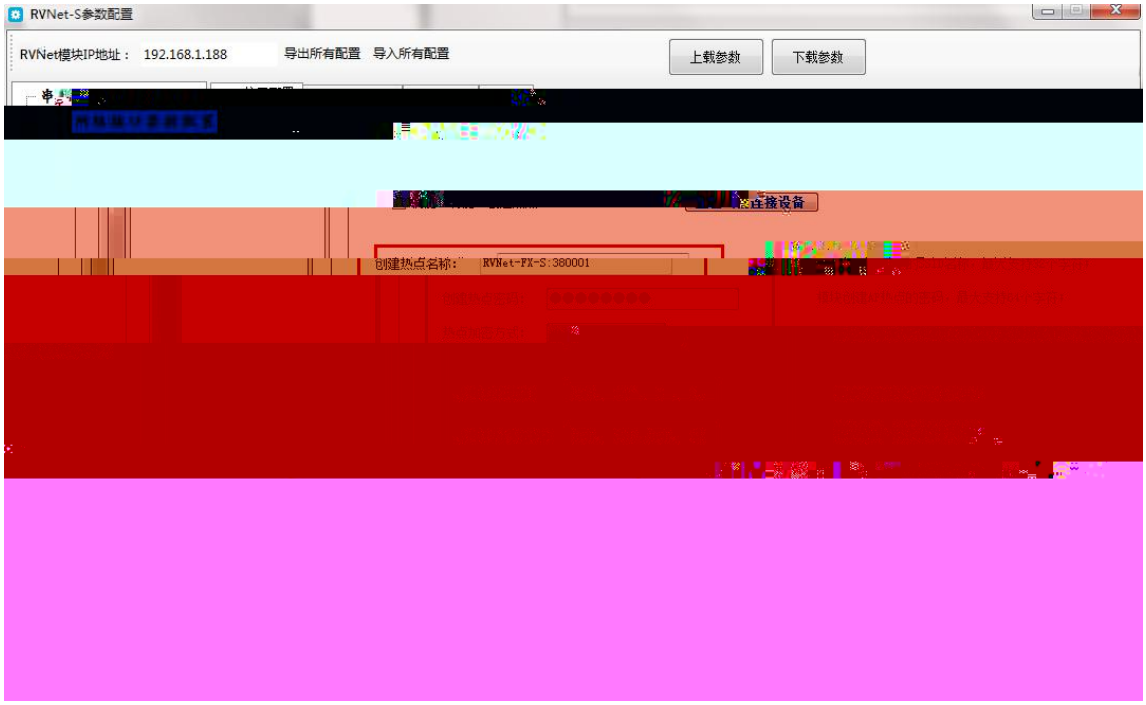
Stati a


RVNet模块配置和诊断工具---RVDevice V1.0.2.6_Build2
快速搜索

2. “AP( )” “ AP ”


RVNet-S参数配置
RVNet模块IP地址： 192.168.1.188
导出所有配置
导入所有配置
上载参数
AP的IP地址： 192 . 168 . 3 . 1
AP的子网掩码： 255 . 255 . 255 . 0

6. AP




A “ ” “RVNet-FX-S:XXXXXX” “XXXXXX”

B “ ” “12345678”

8

C “ ” WEP WPA WPA2

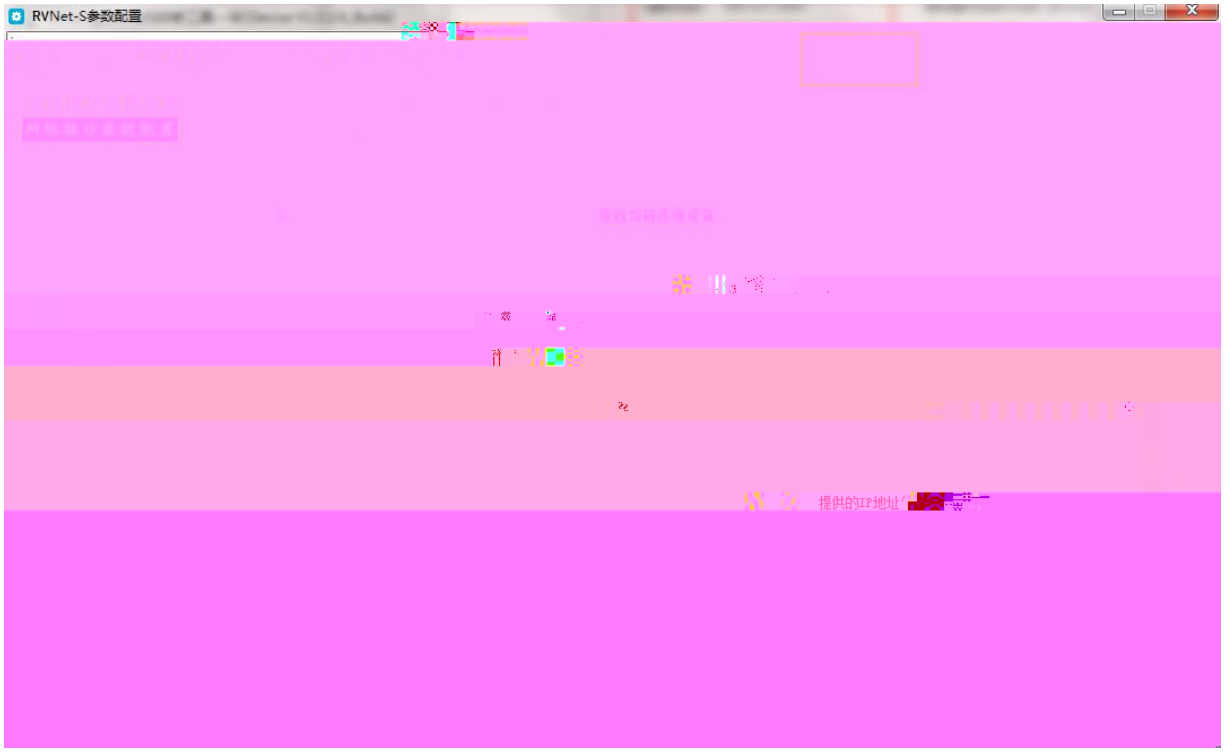
WAP2

D “AP IP ” AP IP 192.168.3.1

255.255.255.0 AP IP C

E “AP ” DHCP 100—200

7. “ ”

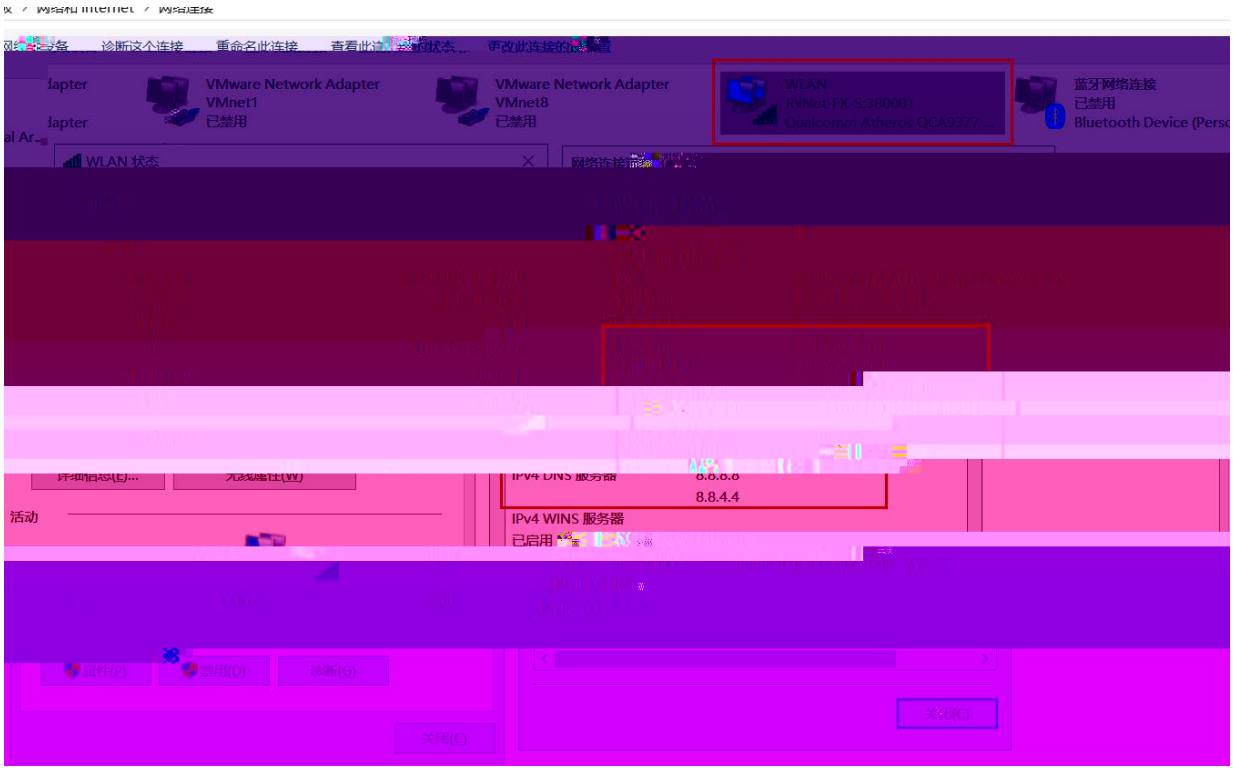



### 4.2.2 AP

1. “RVNet-FX-S:XXXXXX”

3. “RVNet-FX-S:XXXXXX” RVNet

192.168.3.100 IP IP 192.168.3.1



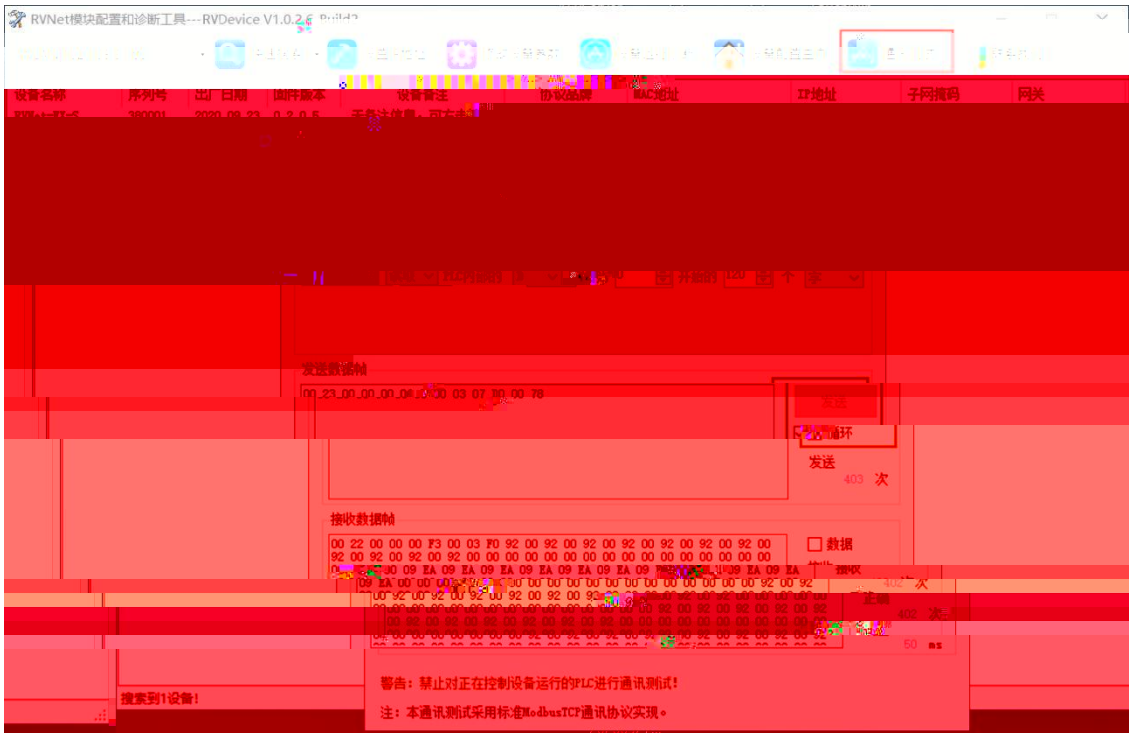

4. IP PING ; 6

ping 192.168.3.1 e

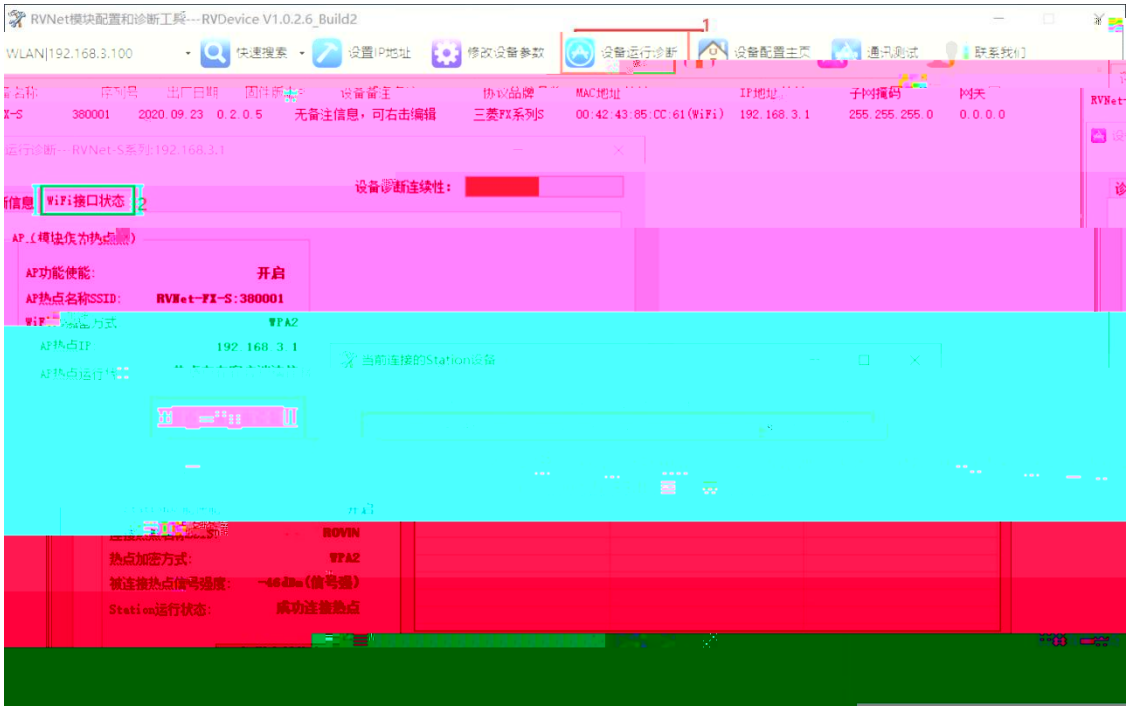
5. 192.168.3.1 IP PLC WiFi

IP

A NetDevice




B NetDevice

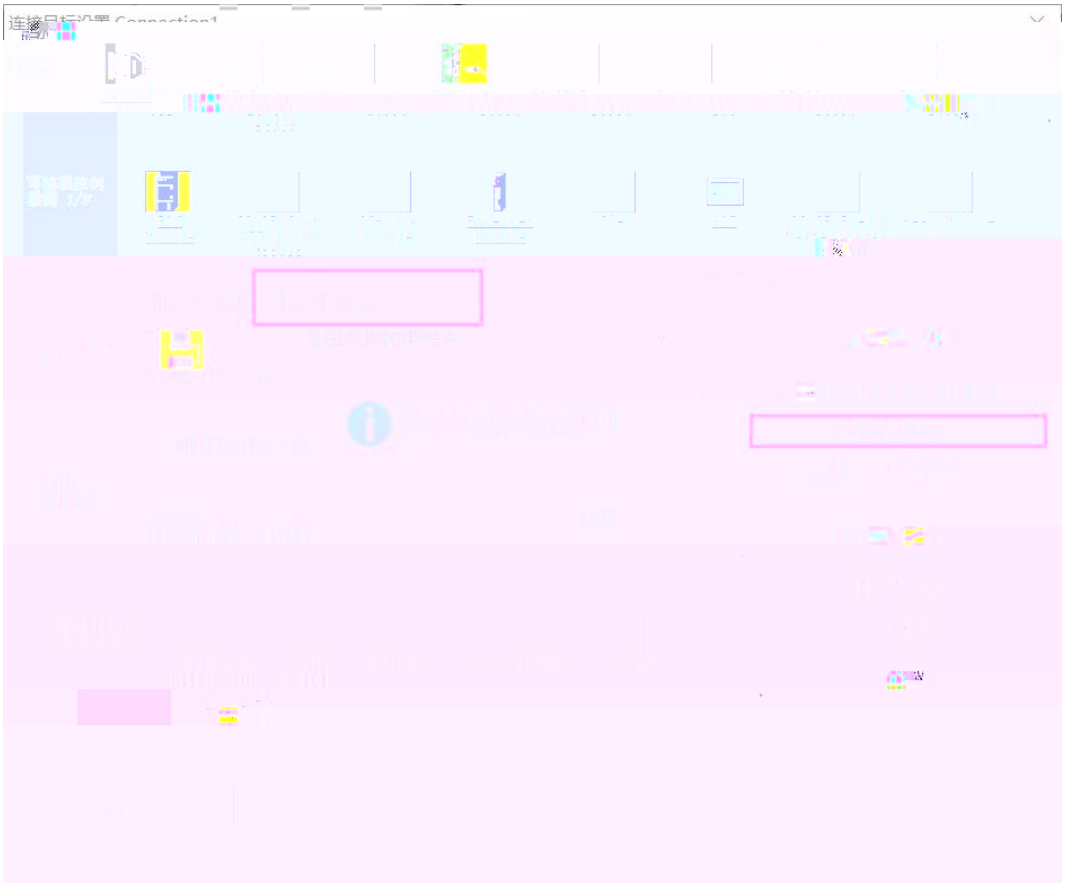



NetDevice “ ”

“ ” Station

IP 192.168.3.100 Station -53dBm

C



E)

“5.SCADA ” IP

AP IP

# 5 CAN

RVNet-FX-S SCADA

## 5.1 RVNet-FX-S

RVNet-FX-S GX Works2 FX PLC

GX Works2

FX3G/3GC FX3S FX3U/3UC;

FX1N/1NC FX2N/2NC FX1S FX3G/3GC FX3S FX3U/3UC;

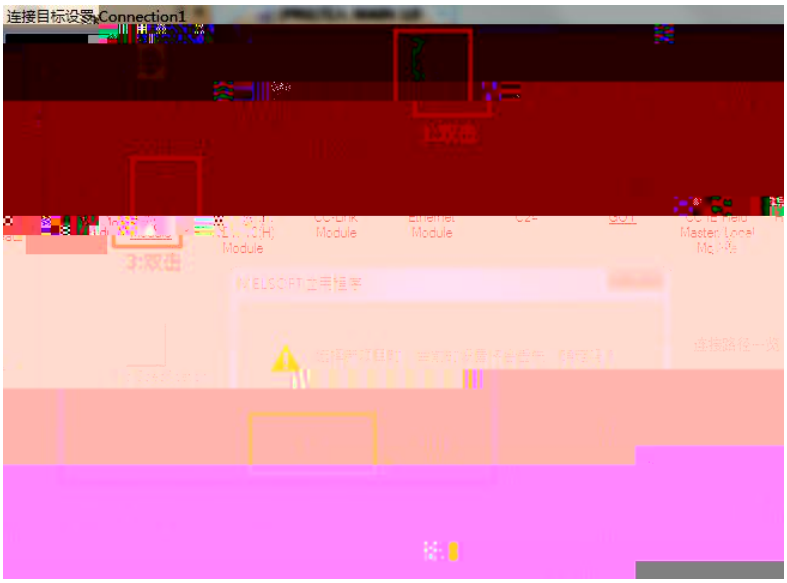
FX3U/3UC

### 5.1.1 FX3G/3GC FX3S FX3U/3UC

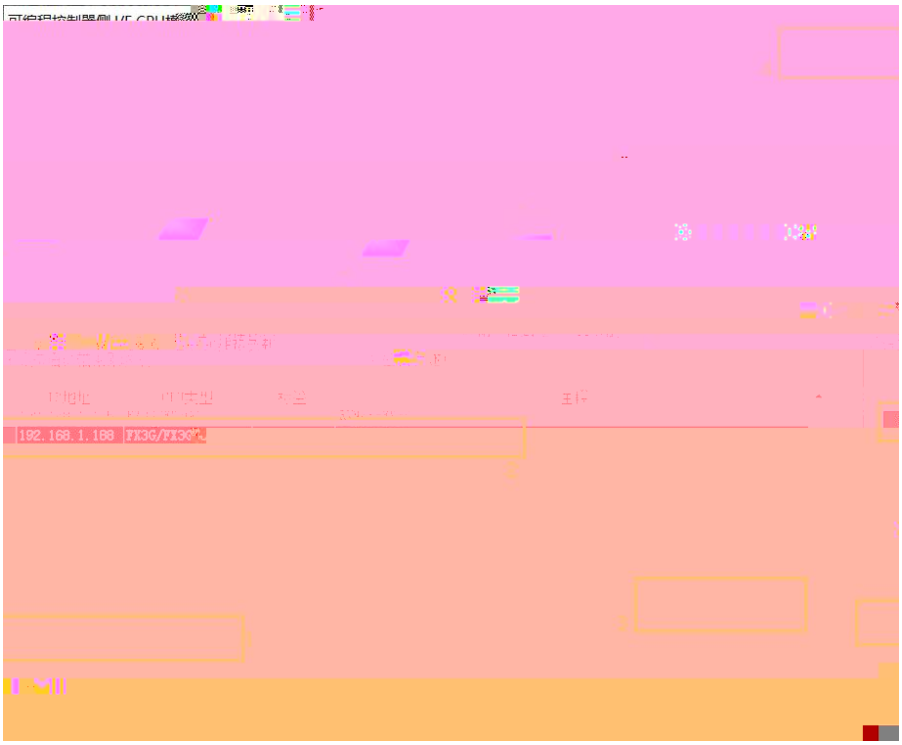
FX3G/3GC FX3S FX3U/FX3UC 3 FX RVNet-FX-S

GX Works2 FX3UC

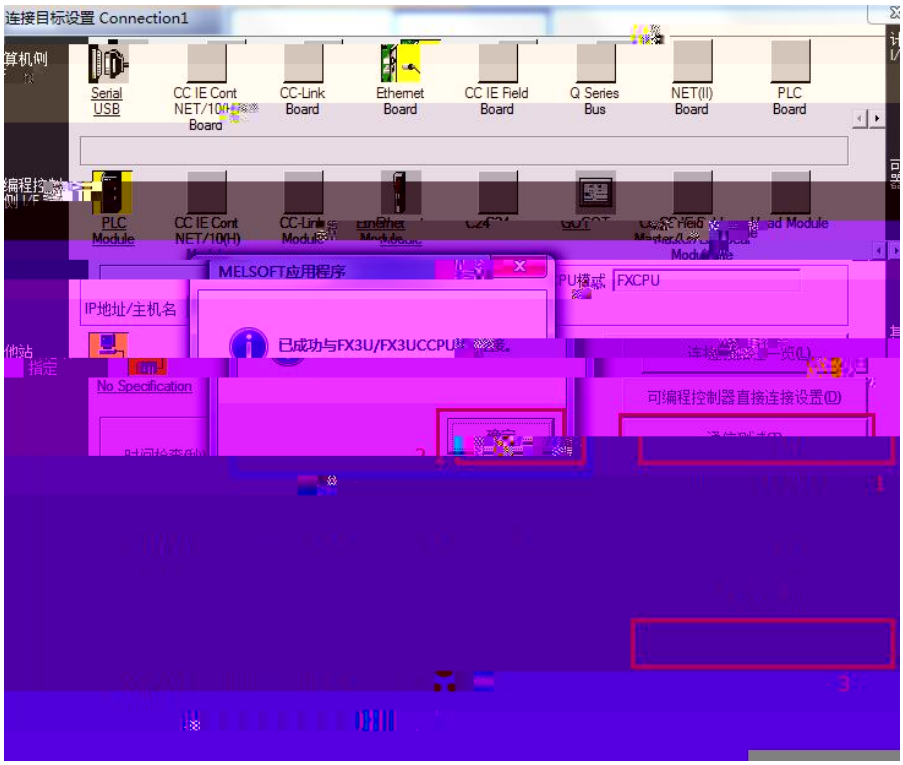
1. FX3U/FX3UC Connection




3. “ FXCPU(S)” RVNet-FX-S FX3UC



4. IP “ ” FX3UCCPU


连接目标设置 Connection1
Serial USB
CC IE Cont NET/10(H) Board
CC-Link Board
Ethernet Board
CC IE Field Board
Q Series Bus
NET(II) Board
PLC Board
PLC Module
MELSOFT应用程序
IP地址/主机名
No Specification
FXCPU
可编程控制器直接连接设置(D)

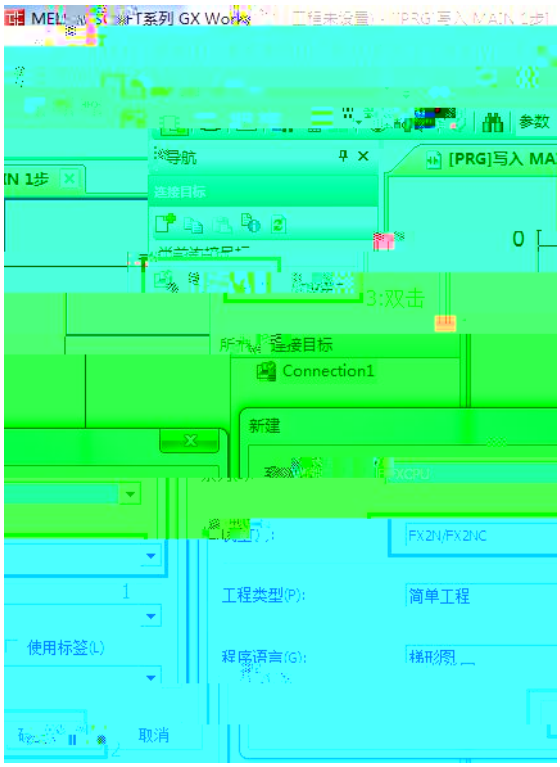
5. “ Ƀ

## 5.1.2 FX1N/1NC FX2N/2NC FX1S FX3G/3GS FX3S FX3U/3UC

FXCPU FX1N FX2N FX1S

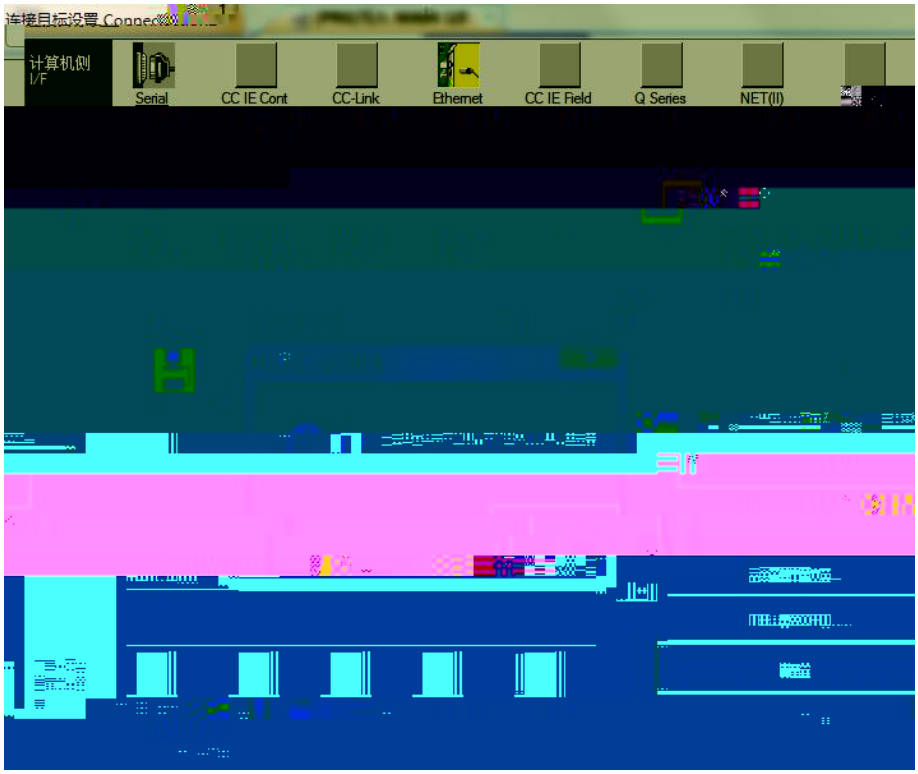
PLC RVNet-FX-S GX Works2 FX2NC

1. FX2N/FX2NC Connection



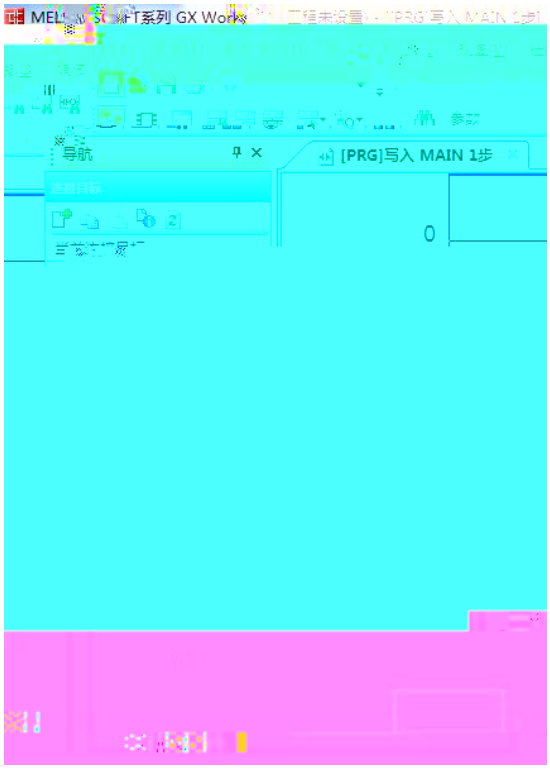

2. “EthernetBoard” “ ”

“GOT”


计算机侧
I/F
Serial
CC IE Cont
CC-Link
Ethernet
CC IE Field
Q Series
NET(II)

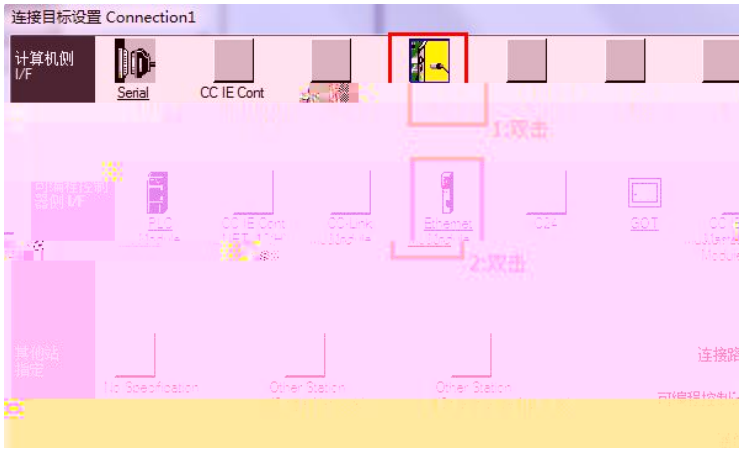
5. “ ” P

1. FX3U/FX3UC Connection




2. “EthernetBoard”

“EthernetModule”




3. IP RVNet-FX-S IP “ ”


图 . ł v ę ę ¡X3ĢĶUCĶ PY U

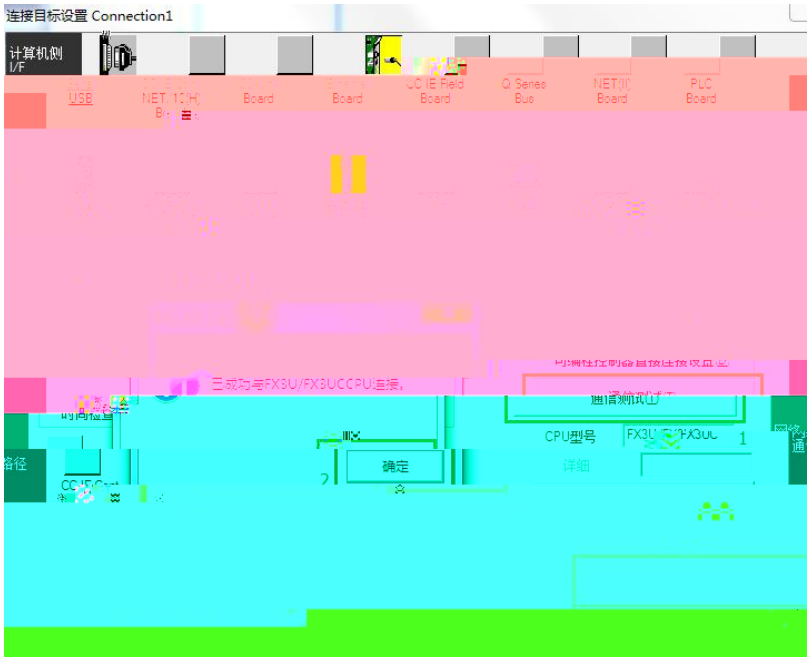
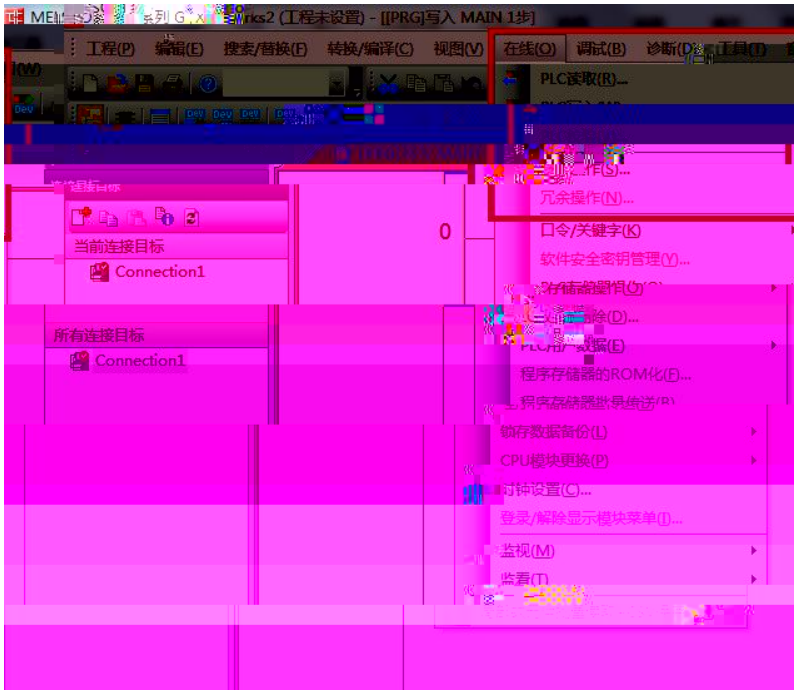


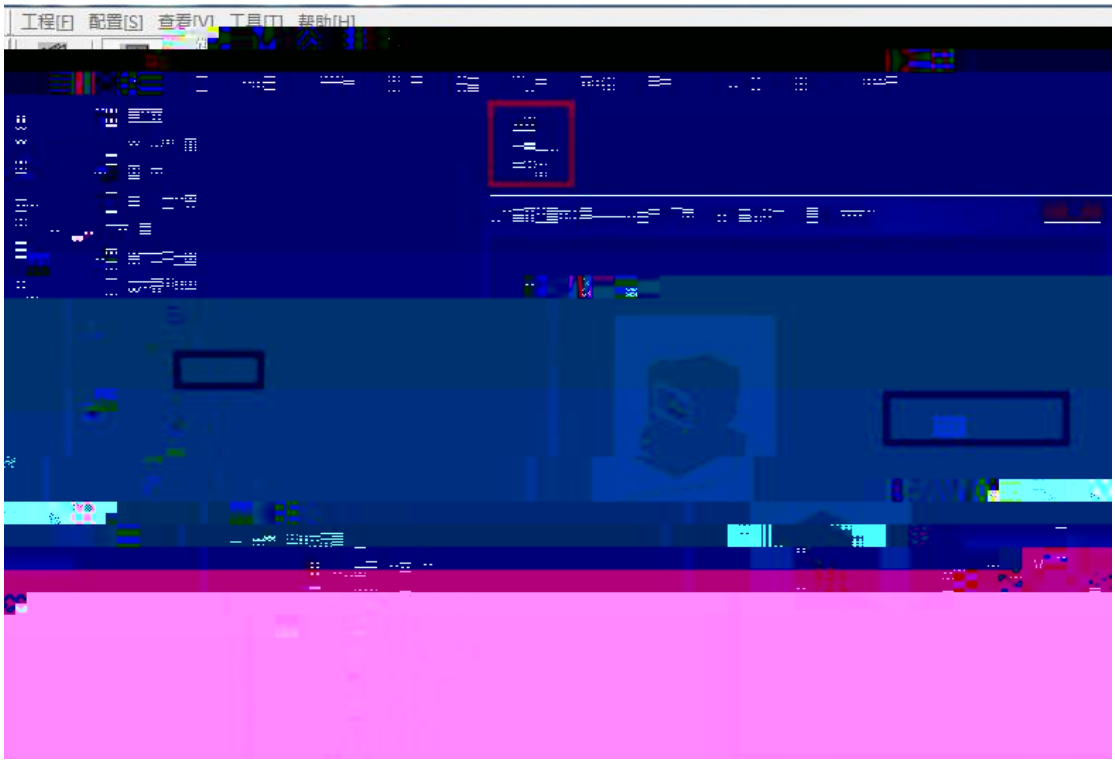

图 . ę ę ⊲Θ ĿĴ ⁄ Ω ˜ ˇ Þ Â




## 5.2 RVNet-FX-S

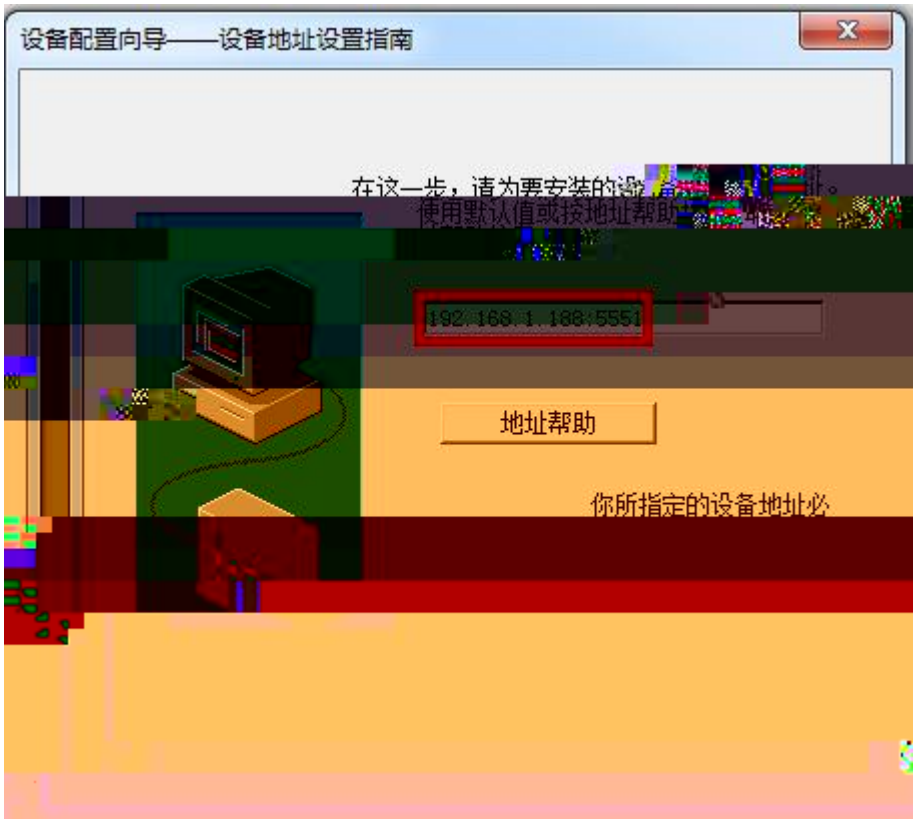
1.

2. “COM1” “ ” “FX3u_16M_Ethernet----TCP” “ ”

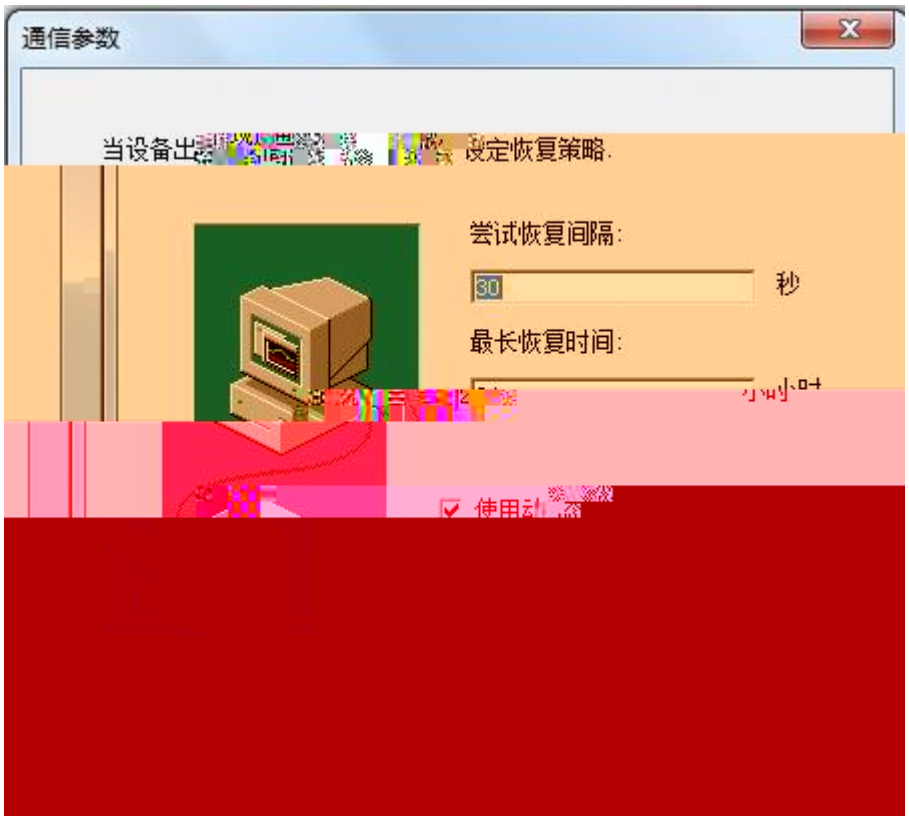


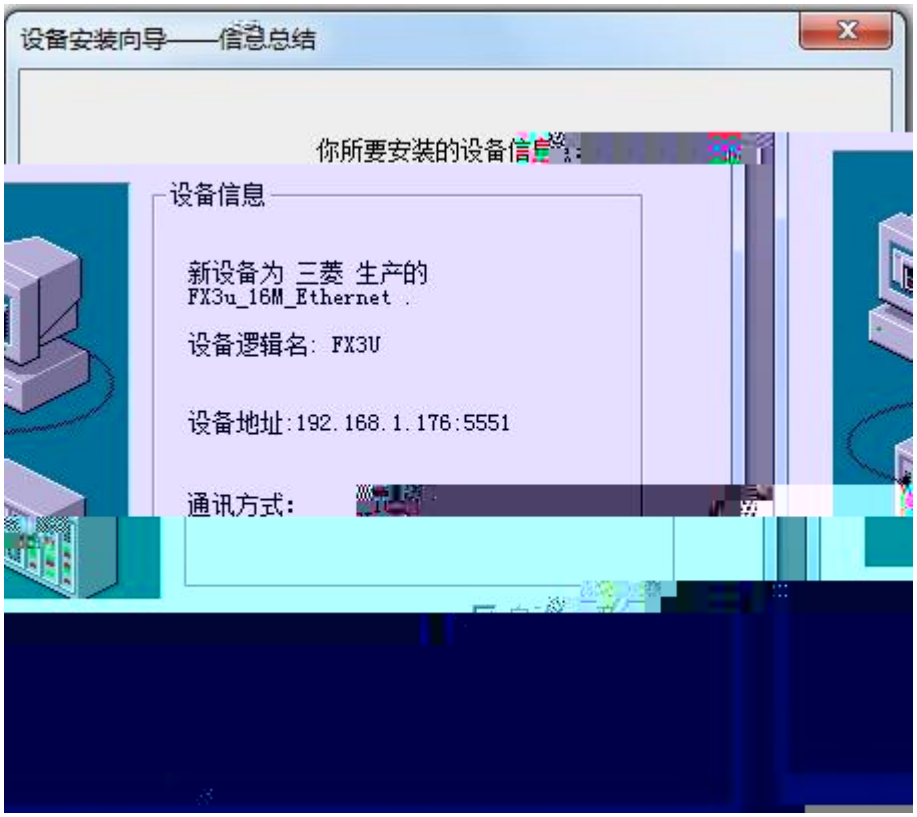

3. “ ”

4. RVNet-FX-S IP PLC 5551




5. “ ”

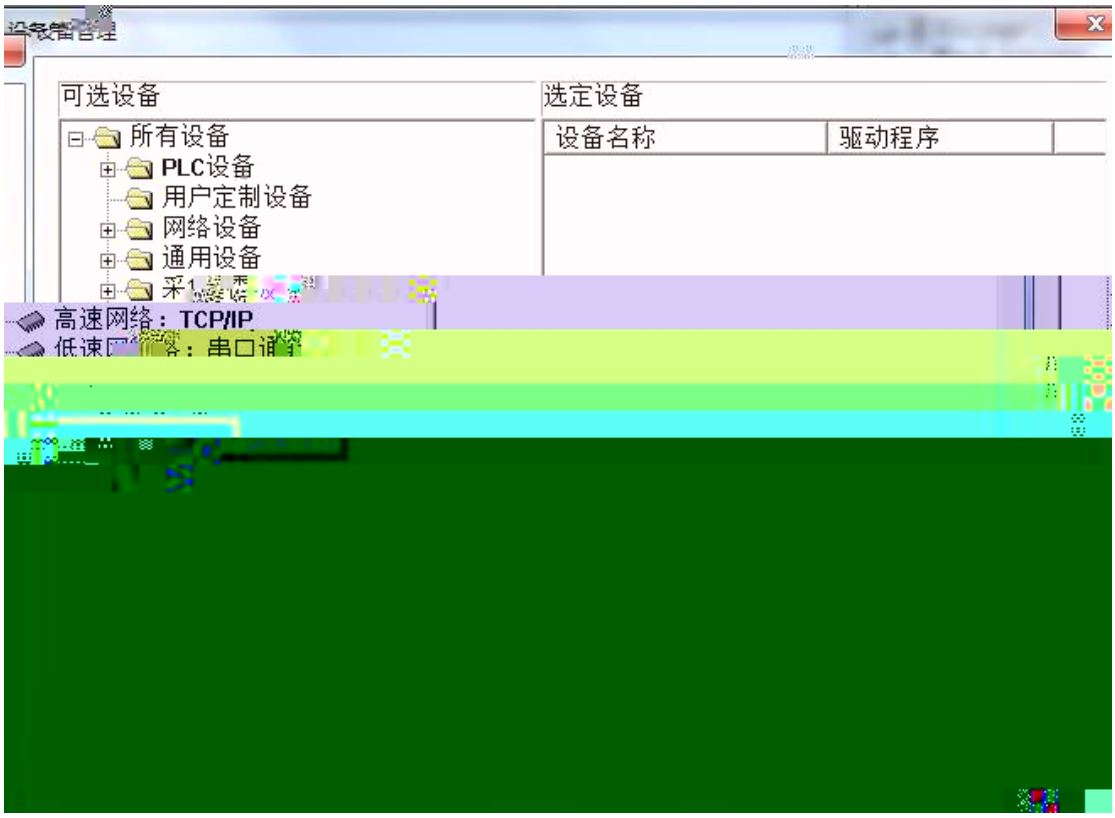


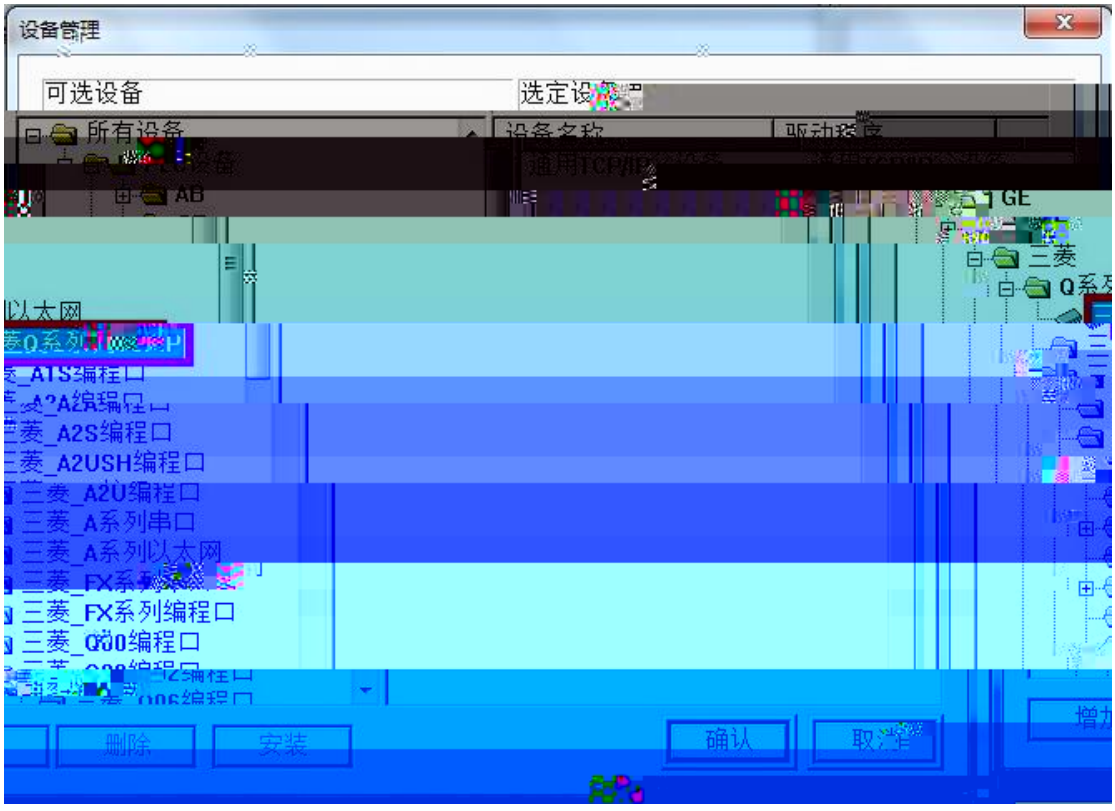




## 5.3 RVNet-FX-S MCGS

1. MCGS -- “ TCP/IP ” “

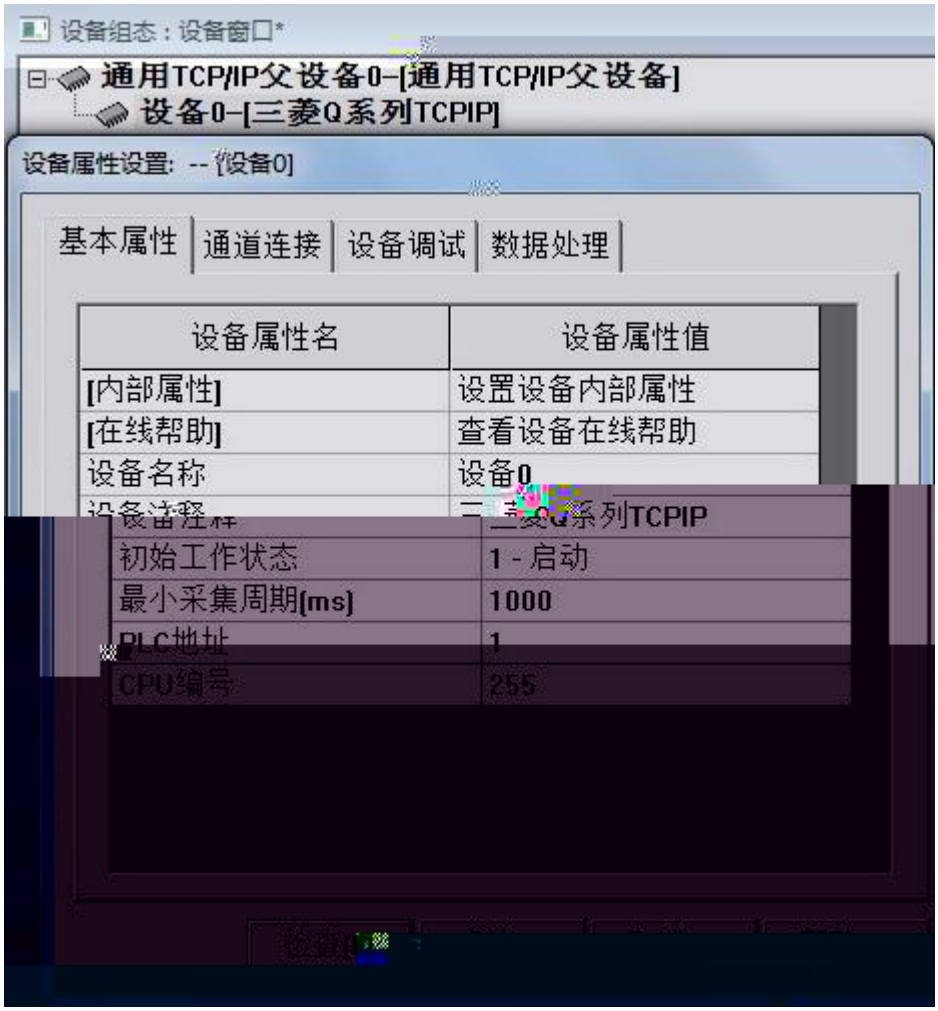
Q TCPIP”



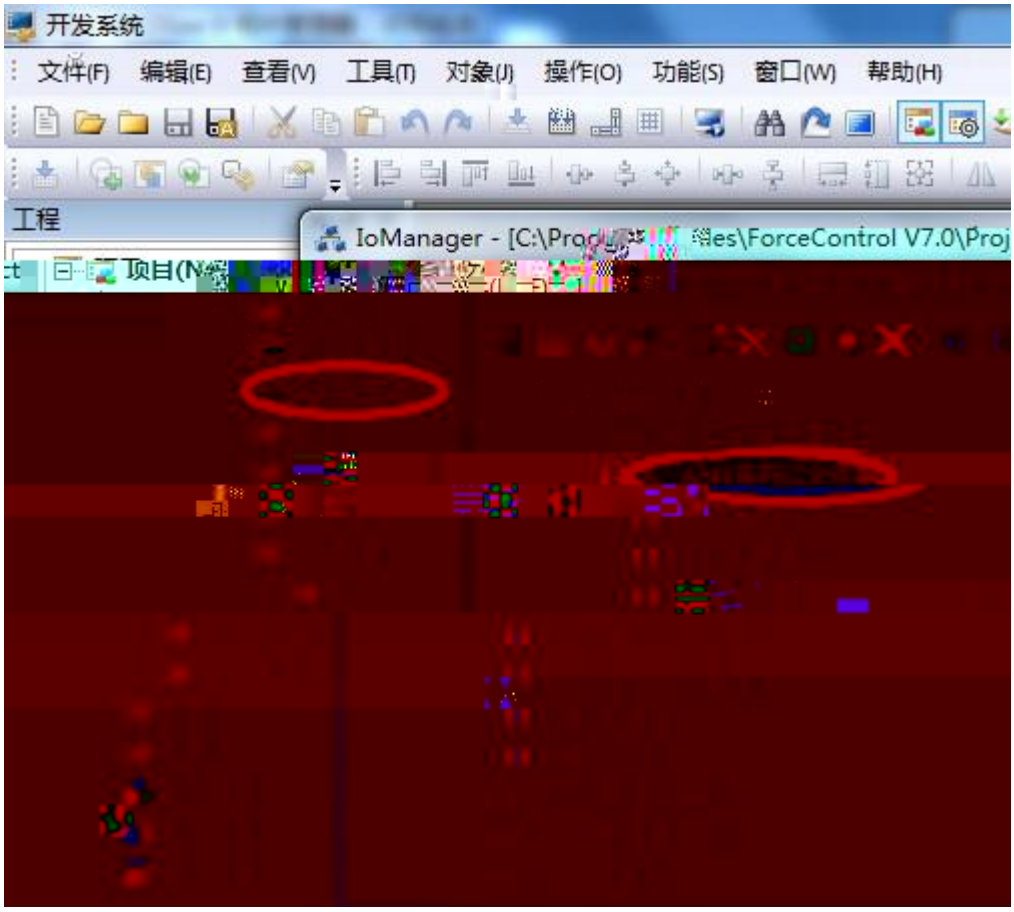

2. “ TCP/IP 0- TCP/IP ” “ ” “1-TCP” “ IP ” IP “ IP ” RVNet-FX-S IP “ ” 5551 “ ”


3. “ 0- Q TCPIP ”,



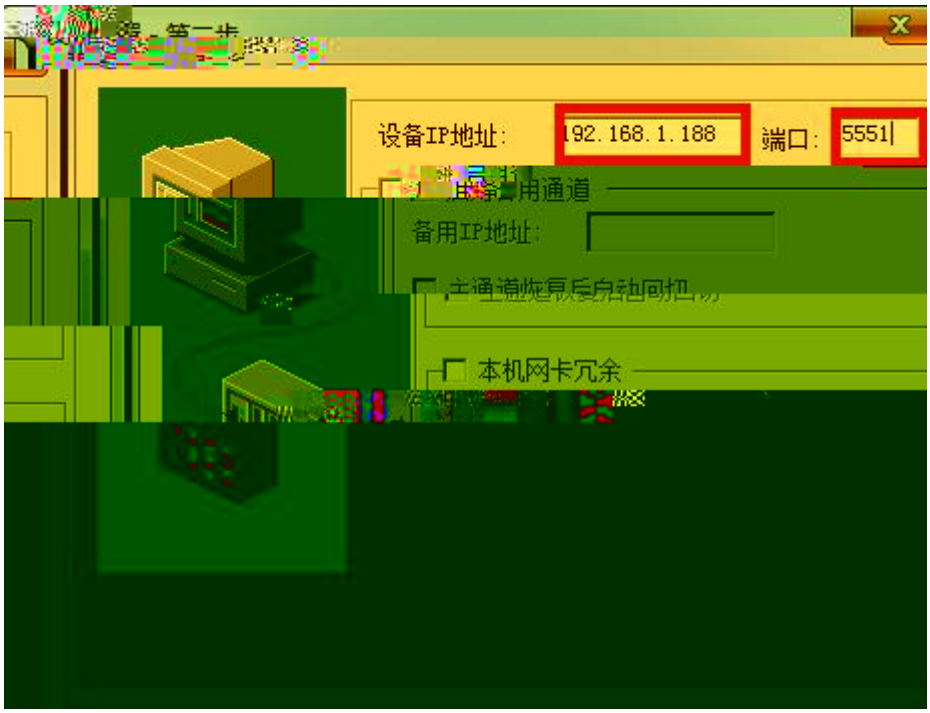

## 5.4 RVNet-FX-S

1. “IO ” PLC “MITSUBISHI -A ANA ”

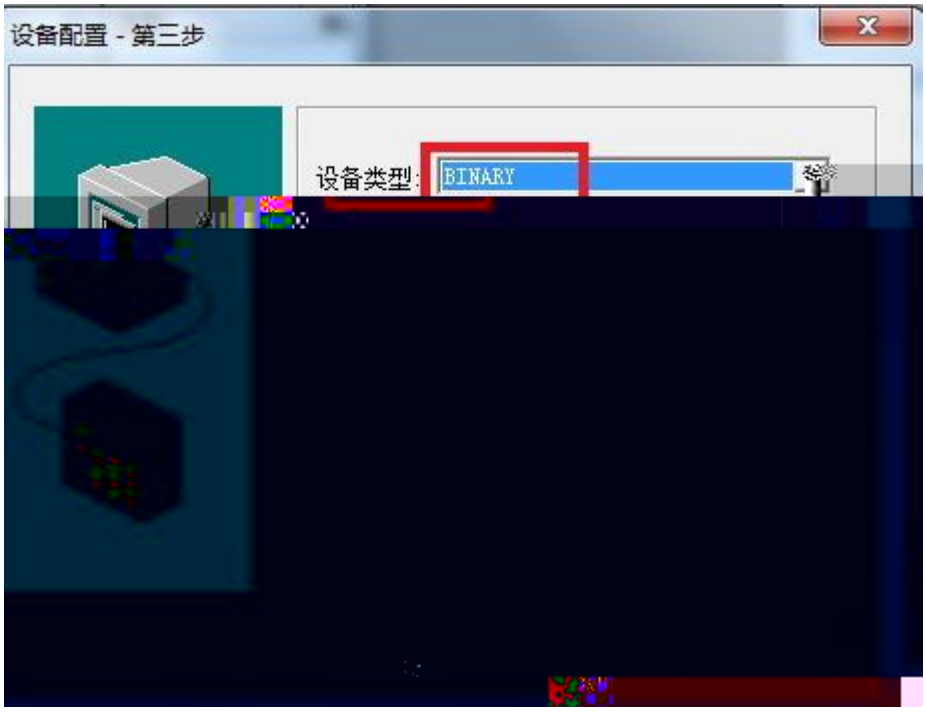



2. “ ” “ ”


3.“ IP ” RVNet-FX-S IP “ ” 5551

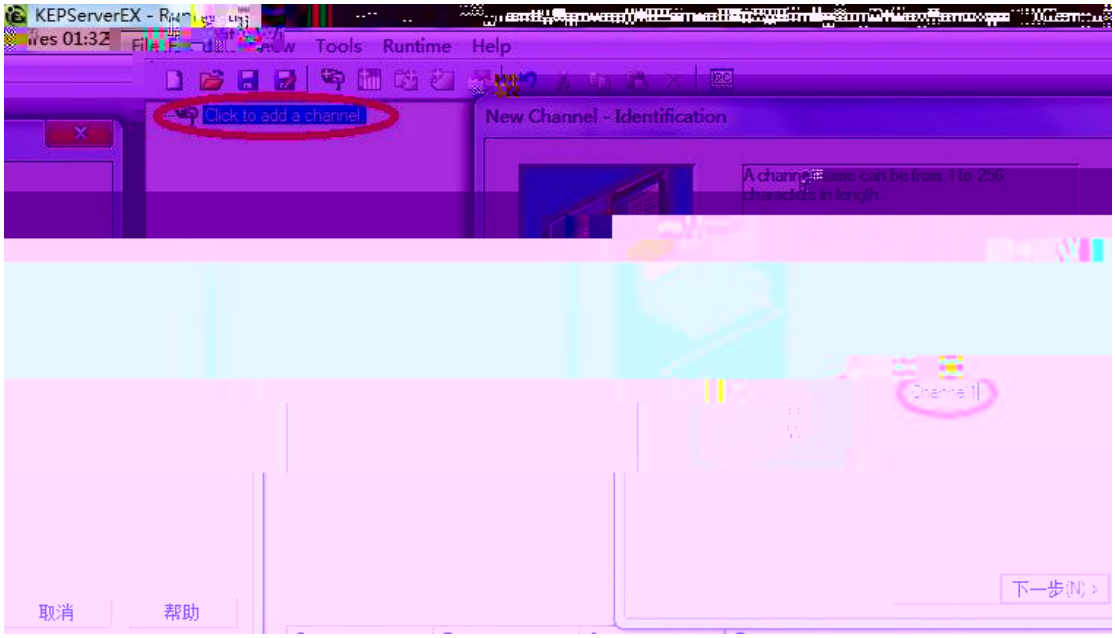



4.“ ” “BINARY”

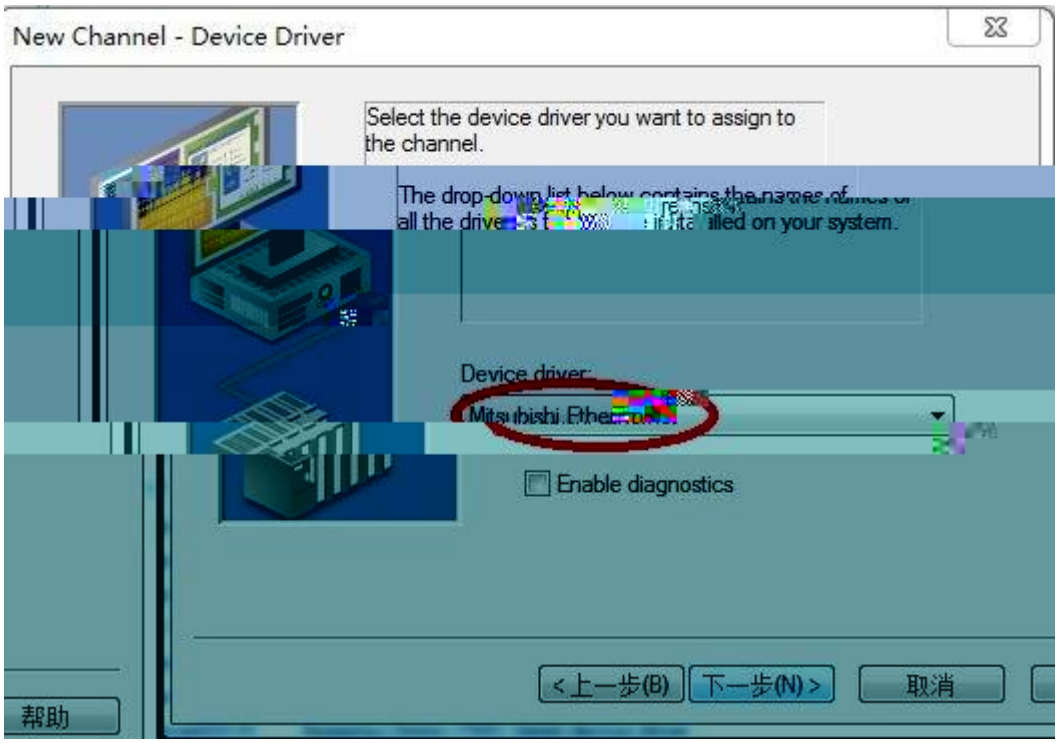



## 5.5 RVNet-FX-S Kepware OPC

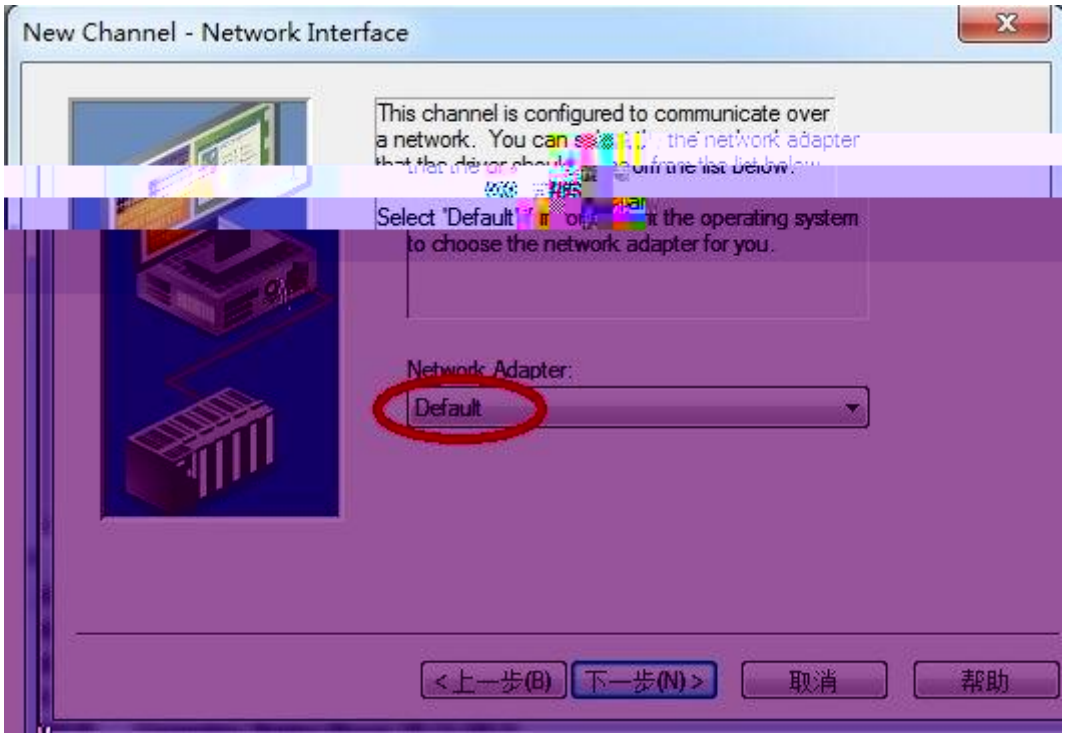
1. KEPServerEX “Click to add a channel”
“ ”



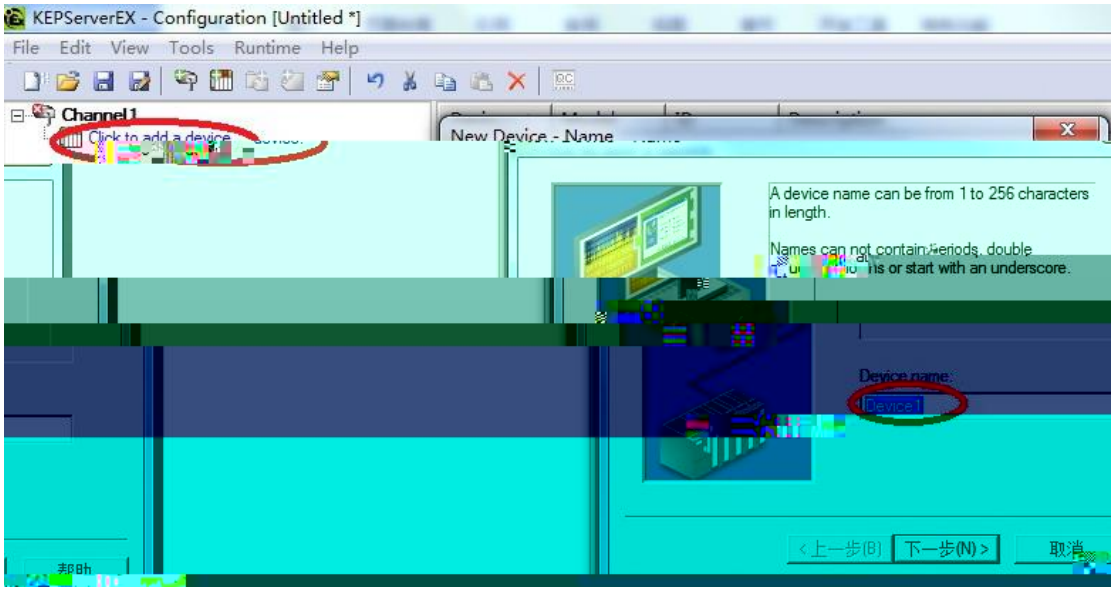

2. “Mitsubishi Ethernet” “ ”



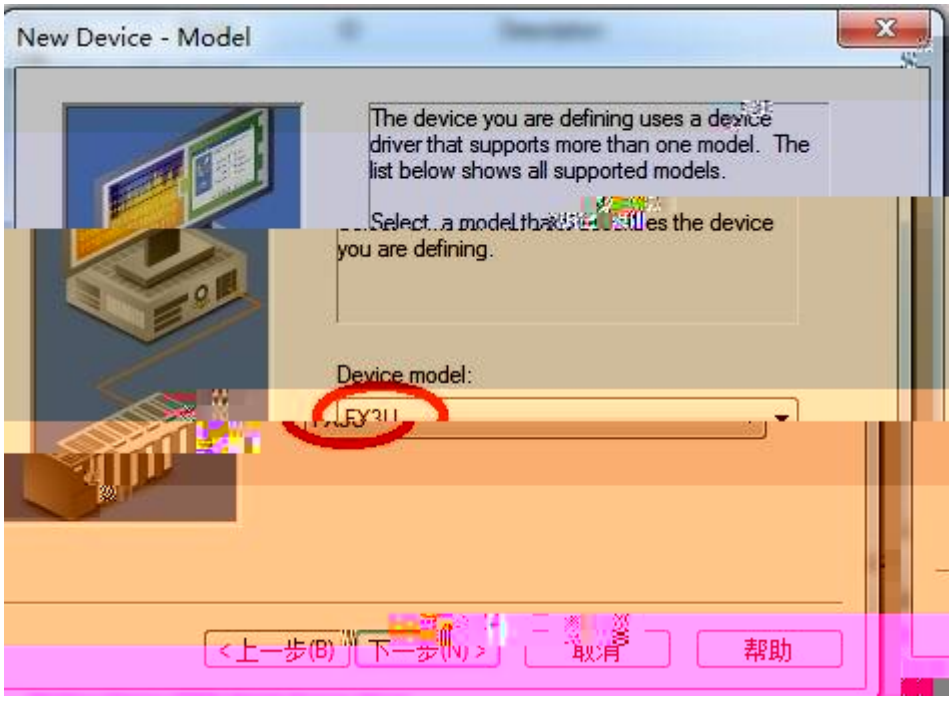

3. “Default”



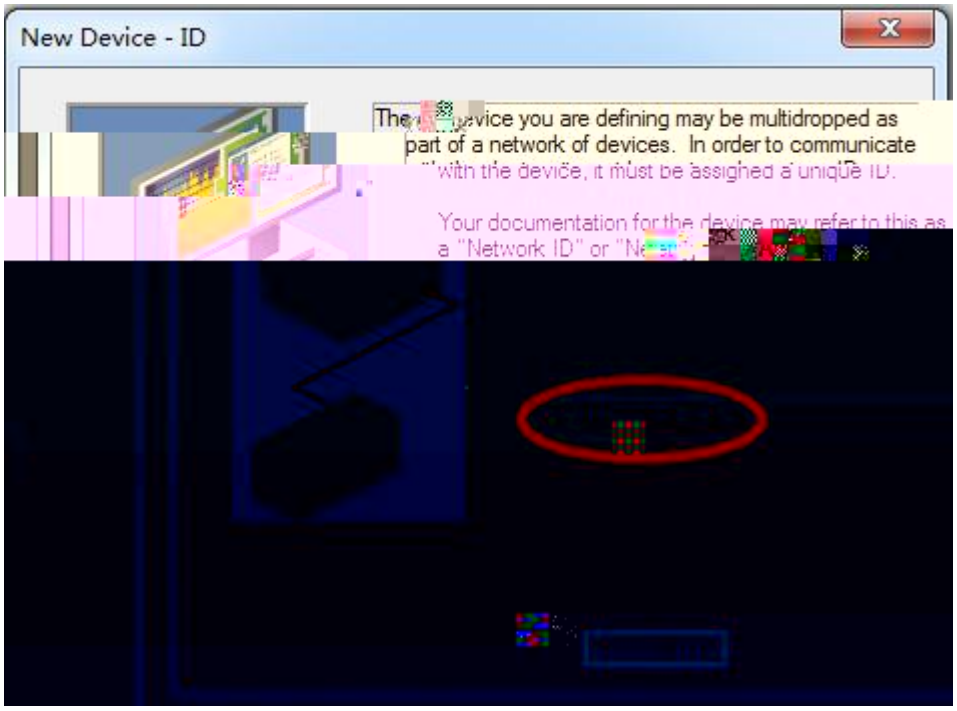

4. “click to add a device”, “ ”



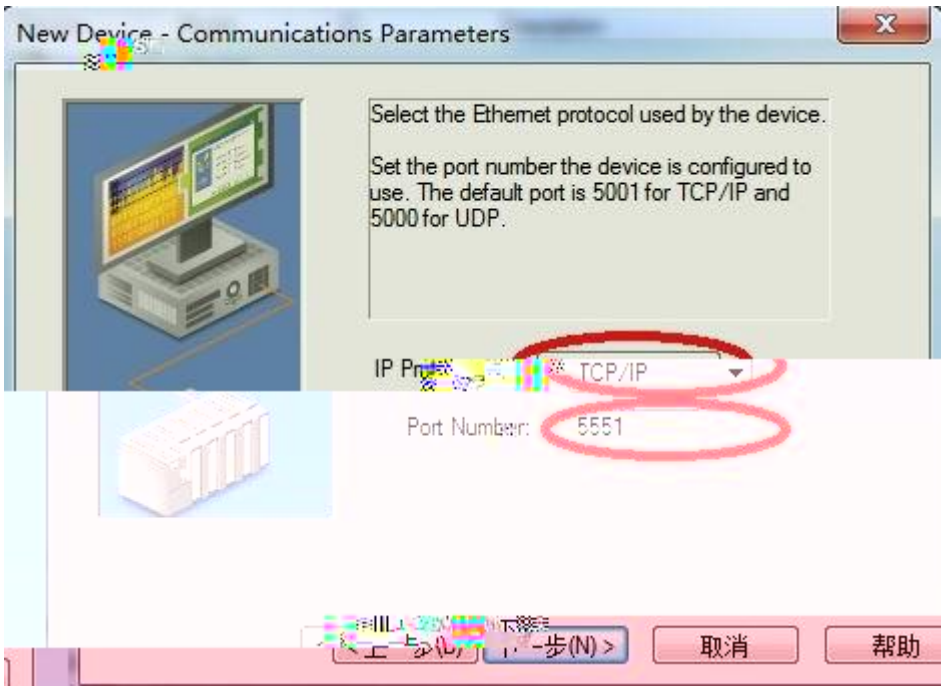

5. PLC

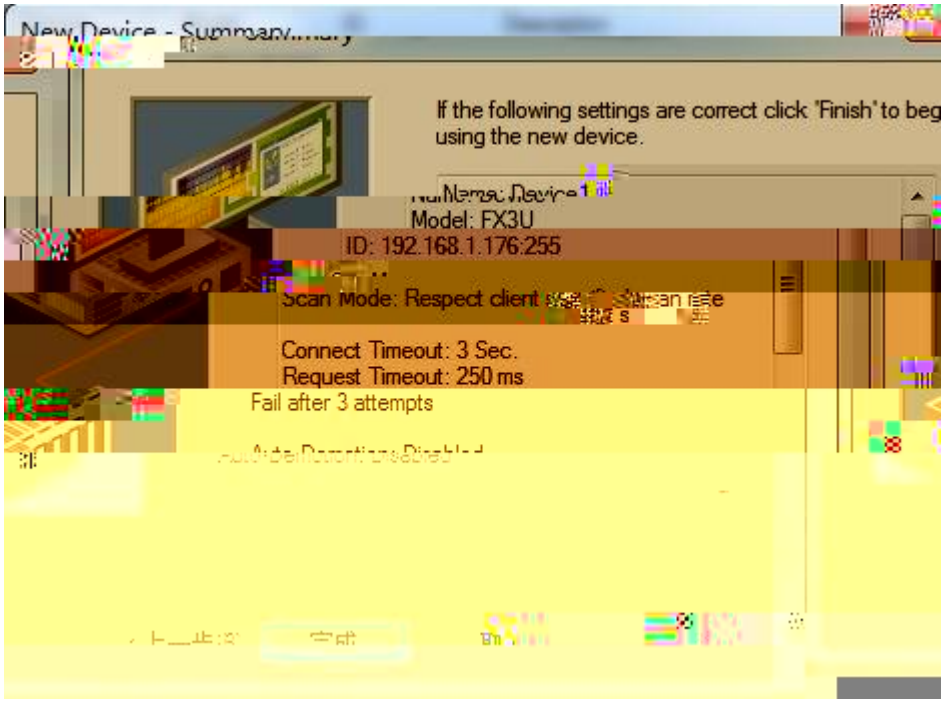



6. IP 255 255



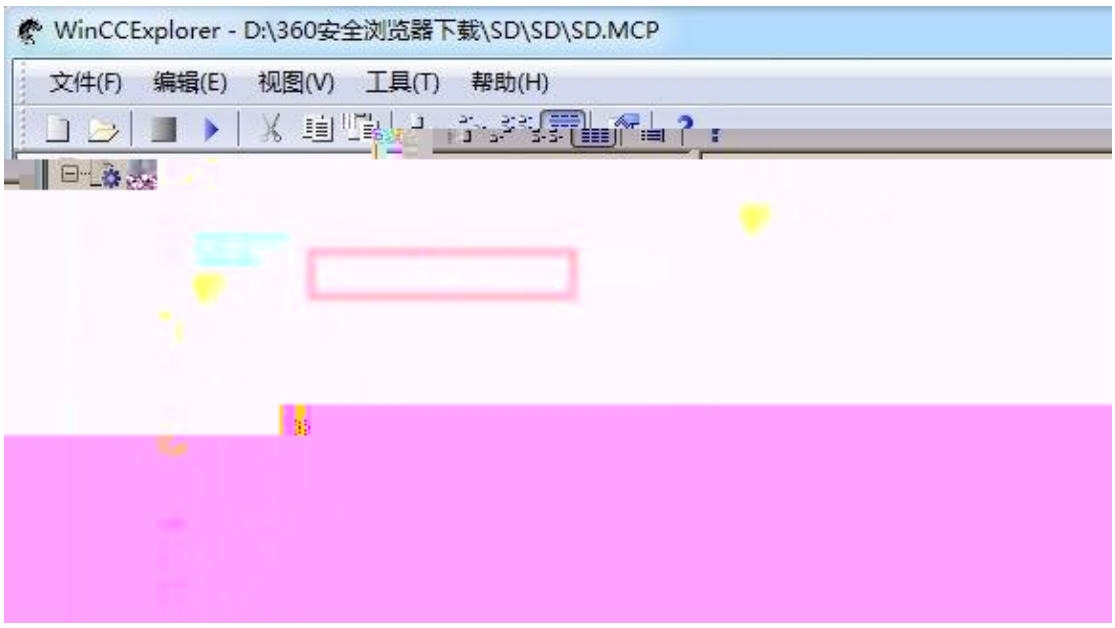

7.IP “TCP/IP” 5551



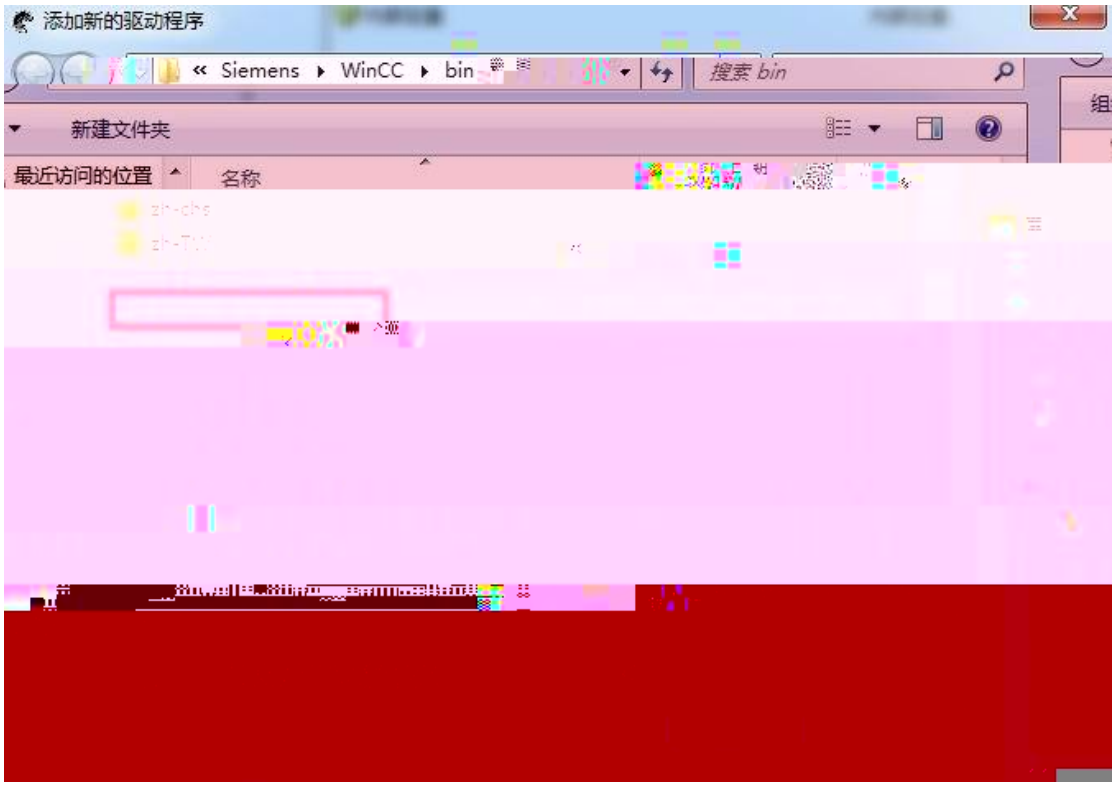




## 5.6 RVNet-FX-S WinCC

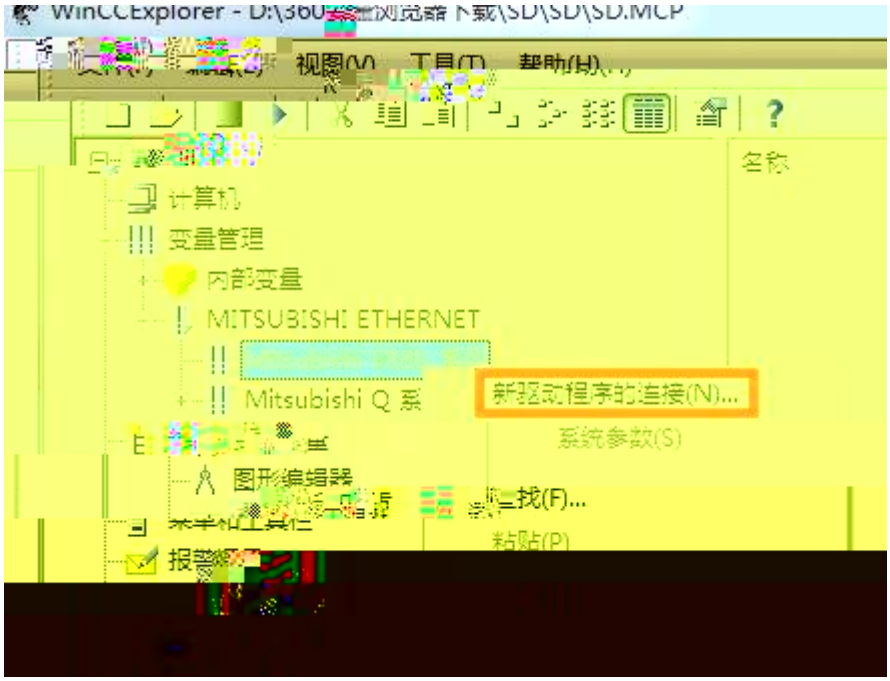
1. “ ” “ ”



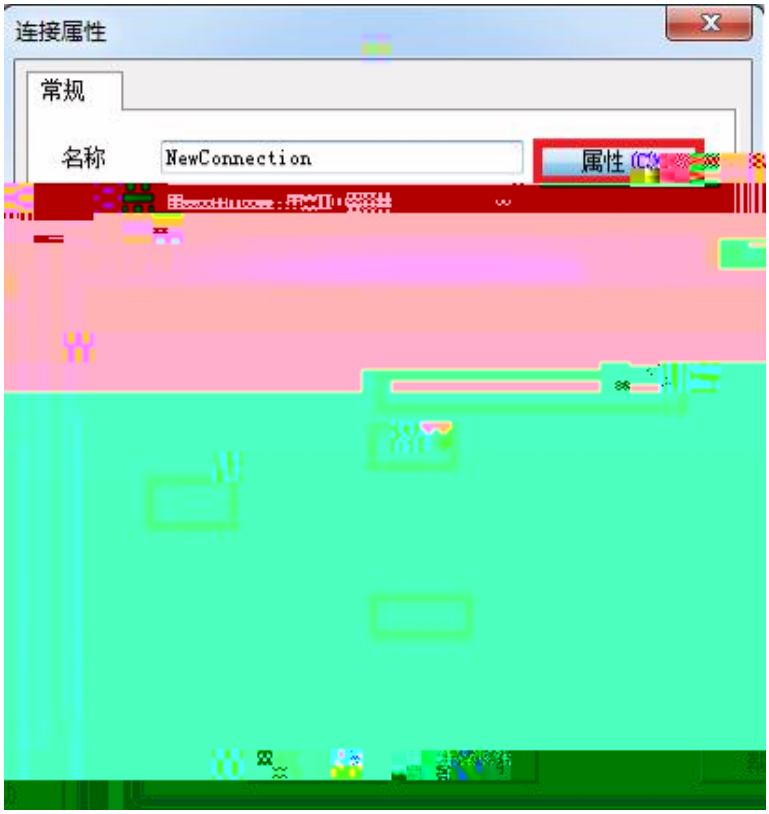

2. “Misubishi Ethernet.chn”




3. “Mitsubishi FX3U ” “ ”

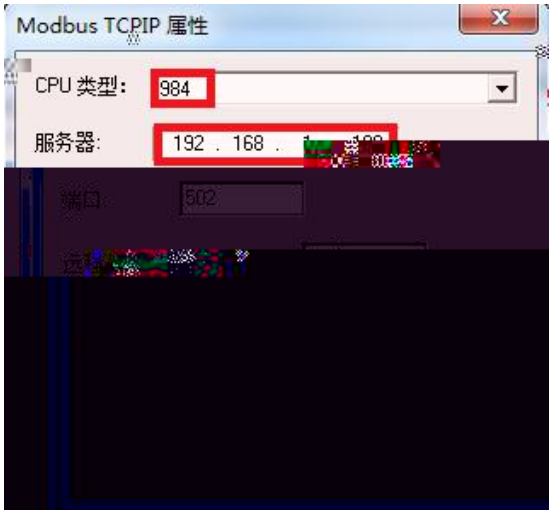



4. “ ” IP “5551” “TCP” PC “255” “ ”



# 6.ModbusTCP

| | | | |
|---|---|---|---|
| *C200* | *32* | *Modbus* | *C210, m=210* |




3. “ ” D0 “ ”

“ ” “4x ” “4x” “402001”

# 6.

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